

File ID: 2025-00566

4/22/2025

Cooperative Purchase Agreement: Fire Ambulances [Publish for 10-Day Review on 04/10/2025]

File ID: 2025-00566

Location: Citywide

Recommendation: Pass a **Motion:** 1) approving the use of the Houston Galveston Area Council of Governments (HGAC) cooperative purchase contract with Braun Northwest, Inc. (Contract AM10-23) for the purchase of eight (8) ambulances; 2) authorizing the Interim City Manager or designee to: a) execute a contract with Braun Northwest, Inc. implementing the HGAC cooperative purchase contract in an amount not to exceed \$1,816,616 through February 28, 2026, or until the cooperative purchase agreement is no longer available for use; and b) execute the purchases specified above provided that sufficient funds are available in the budget adopted for the applicable fiscal year.

Contact: Stacey Chatman, Program Specialist, (916) 808-6711, schatman@cityofsacramento.org; Alison Kerstetter, Fleet Manager, (916) 808-1163, akerstetter@cityofsacramento.org; Department of Public Works

Presenter: None

Attachments:

- 1-Description/Analysis
- 2-City Cooperative Purchase Contract
- 3-HGAC Cooperative Purchase Contract

Description/Analysis

Issue Detail: The Department of Public Works, Fleet Management Division, is requesting to purchase eight (8) ambulances; six (6) ambulances which will be purchased to replace existing units 12881, 12882, 12884, 13862, 13861, and 12534 along with two (2) new additional ambulances for the Sacramento Fire Department. The ambulances will be used to care for and provide life saving measures for the citizens of the City of Sacramento.

Policy Considerations: The recommendations in this report are in accordance with Sacramento City Code Chapter 3.56 which requires City Council approval of actions of \$250,000 or more and which provides for the use of cooperative purchase agreements without competitive bidding (Section 3.56.240) and Sacramento City Code Section 4.04.020 and Council Rules of Procedure, Chapter 7,

Section E.2.d, which requires additional posting time for labor agreements and agreements greater than \$1 million.

The Sacramento City Code Section 4.04.020 and the City Council Rules of Procedure (Chapter 7, Section E.2.d) mandate that unless waived by a 2/3 vote of the City Council, all labor agreements, and all agreements greater than \$1,000,000 shall be made available to the public at least ten (10) days prior to City Council action. This item was published for 10-day review on April 10, 2025, in compliance with the City Code.

Economic Impacts: None.

Environmental Considerations: California Environmental Quality Act (CEQA): No environmental review is necessary. The recommendation in this report involves the purchase of vehicles and will not be a project as outlined in Section 15378(b)(2) of the California Environmental Quality Act (CEQA) guidelines.

Sustainability: The recommended purchases are consistent with the updated Fleet Sustainability Policy, adopted by City Council on December 12, 2017 (Resolution No. 2017-0478) and California Air Resource Board (CARB) regulations as there is no comparable zero emission model available for replacement.

Commission/Committee Action: None.

Rationale for Recommendation: After reviewing the available purchase options, the Fleet Management Division has determined that the HGAC cooperative purchase agreement with Braun Northwest, Inc. represents the most advantageous purchasing strategy. The contract was competitively bid nationally, and HGAC receives greater discounts from the manufacturer due to a higher purchase volume than the City would receive if issuing its own bid.

In an ongoing effort to maximize cost savings and staff resources, many government agencies share contracting efforts through cooperative purchasing. This procurement method increases pricing competitiveness and lowers operating costs through volume buying. When comparing the administrative costs of procurement, staff considered product research, source selection, specifications, advertising, staff reports, awarding, protest, and administration of the contract.

The City has used both regional and national cooperative purchase agreements to complement its own contracting initiatives. Cooperative purchasing enables City departments to evaluate a broader range of contracting opportunities and to share resources with other jurisdictions. Cooperative purchasing also leverages internal and external resources to maximize cost savings opportunities for the City.

Financial Considerations: The recommended purchases are not to exceed \$1,816,616 and will be made from the Department of Public Works Fiscal Year (FY) 2024/2025 operating budget (Fleet Fund, Fund 6501) and will be charged to the Fire Department Advanced Life Support Equipment Program (F12000200). Sufficient funding exists in the Department of Public Works FY2024/25 operating budget and the Fire Department Advanced Life Support Equipment Program (F12000200) to support the recommended purchase.

Local Business Enterprise (LBE): Braun Northwest, Inc. is not an LBE. The minimum LBE participation requirement is waived for the City's use of cooperative purchase agreements that have been competitively bid, evaluated, and awarded by other governmental agencies that may or may not have similar LBE programs.

CONTRACT ROUTING SHEET

Contract Cover/Routing Form: Must Accompany ALL Contracts; however, it is NOT part of the contract.

General Information (Required)

Original Contract # (supplements only): _____ Supplement/Addendum #: _____

Assessor's Parcel Number(s): _____

Contract Effective Date: 03/01/2025 Contract Expiration Date (if applicable): 02/28/2026

\$ Amount (Not to Exceed): \$1,816,616 Adjusted \$ Amount (+/-): _____

Other Party: Braun Northwest, Inc.

Project Title: Cooperative Purchase Agreement: Fire Ambulances

Project #: _____ Bid/RFQ/RFP #: RFPAM10-23

City Council Approval: YES if YES, Council File ID#: 2025-00566

Contract Processing Contacts

Department: Public Works Project Manager: Stacey Chatman

Contract Coordinator: Stacey Chatman Email: schatman@cityofsacramento.org

Department Review and Routing

Accounting: _____
(Signature) (Date)

Supervisor: _____
(Signature) (Date)

Division Manager: _____
(Signature) (Date)

Other: _____
(Signature) (Date)

Special Instruction/Comments (i.e. recording requested, other agency signatures required, etc.)

Recording Requested **Other Party Signature Required**

-----**FOR CLERK & IT DEPARTMENTS ONLY – DO NOT WRITE BELOW THIS LINE**-----

CONTRACT #:
CONTRACT NAME: AM10-23 Ambulances, EMS & Special Service Vehicles
AGREEMENT TERM:10/01/2023-09/30/2027
AUTHORIZED RENEWALS:
DEPARTMENT: Public Works

CITY OF SACRAMENTO COOPERATIVE/PIGGYBACKING AGREEMENT

The City of Sacramento ("City") and BRAUN NORTHWEST, INC ("Contractor"), hereby agree to this Cooperative/Piggybacking Purchase Agreement ("Agreement"), effective as of MARCH 1, 2025.

WHEREAS, the City wishes to purchase **AMBULANCES, EMS & SPECIAL SERVICE VEHICLES**, pursuant to the terms of this Agreement and Contract No. AM10-23, dated OCTOBER 1, 2023 (the "Cooperative Contract," which is incorporated herein by this reference), with HOUSTON-GALVESTON AREA COUNCIL (H-GAC) ("Cooperative Purchasing Organization").

NOW THEREFORE, Contractor and the City agree as follows:

1. The City agrees to purchase, pursuant to the terms of this Agreement and the Cooperative Contract, AMBULANCES, EMS & SPECIAL SERVICE VEHICLES. In no way shall payment from City to Contractor under this Agreement exceed \$1,816,616.

2. Scope of work. [*City representative to check all that apply*]:

City's purchase of the goods and/or services described herein shall be as set forth in Exhibit A. The goods and/or services shall be delivered to the City no later than . The terms of this Agreement and the Cooperative Contract shall control over any contrary terms included in Exhibit A; and/or

City's purchase of the goods and/or services described herein, including the date(s) of delivery, shall be as set forth in purchase order(s) issued by the City. The terms of this Agreement and the Cooperative Contract shall control over any contrary terms included in a purchase order.

3. The City shall have all the same pricing, terms, conditions, rights, and obligations as the Cooperative Purchasing Organization under the Cooperative Contract.

4. The term of this Agreement shall run through FEBRUARY 28, 2026 unless terminated earlier by the City. If the Cooperative Purchasing Organization renews or extends the Cooperative Contract by written amendment, this Agreement will automatically extend, not to go beyond (i) the term of the amended Cooperative Contract, or (ii) a total term of five years, whichever first occurs. Additionally, if the Cooperative Purchasing Organization renews or extends the Cooperative Contract by written amendment then the City has the option to extend the term of this Agreement, not to go beyond the term of the amended Cooperative Contract. City may terminate this Agreement upon notice to Contractor.

5. Notwithstanding any contrary term(s) in the Cooperative Contract, including any limitation of liability provision, Contractor shall defend, hold harmless and indemnify City, its officers and employees, and each and every one of them, from and against all actions, damages, costs, liabilities, claims, demands, losses, judgments, penalties, costs and expenses of every type and description, whether arising on or off the site of the work or services performed under this Agreement or the Cooperative Contract, including, any fees and costs reasonably incurred by City's staff attorneys or outside attorneys and any fees and expenses incurred in enforcing this provision (hereafter collectively referred to as "Liabilities"), including Liabilities for personal injury or death, damage to personal, real or intellectual property, damage to the environment, contractual or

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CITY OF SACRAMENTO COOPERATIVE/PIGGYBACKING AGREEMENT

other economic damages, or regulatory penalties, arising out of or in any way connected with performance of or failure to perform this Agreement or the Cooperative Contract by Contractor, any subcontractor (including lower-tier subcontractors) or agent of Contractor, their respective officers and employees, and anyone else for whose acts or omissions any of them may be liable, whether or not the Liabilities (i) are caused in part by a party indemnified hereunder, or (ii) are litigated, settled or reduced to judgment; provided that the foregoing indemnity does not apply to liability for any damages for death or bodily injury to persons, injury to property, or other loss, damage, or expense, to the extent arising from the active negligence or willful misconduct of, or defects in design furnished by, City, its agents, servants, or independent contractors who are directly responsible to City, except when such agents, servants, or independent contractors are under the supervision and control of Contractor or any subcontractor (including lower-tier subcontractors) or agent of Contractor.

6. Insurance Requirements. [**To be completed by the City representative**]. Contractor shall, at Contractor's sole cost and expense and for the full term of this Agreement or any extension thereof, satisfy the following insurance requirements which shall apply to Contractor's performance under this Agreement [**check one**]:

the insurance limits and obligations contained in the Cooperative Contract. The City shall have all the same rights as the Cooperative Purchasing Organization under the Cooperative Contract and Contractor shall provide the City with certificates of insurance evidencing the insurance required upon request.

the insurance requirements contained in Exhibit B, notwithstanding any contrary insurance requirements contained in the Cooperative Contract.

If neither line above in this section 6 is checked, the insurance limits and obligations contained in the Cooperative Contract shall apply, the City shall have all the same rights as the Cooperative Purchasing Organization, and Contractor shall provide the City with certificates of insurance evidencing the insurance required upon request.

7. Notwithstanding any contrary term(s) in the Cooperative Contract, this Agreement shall be governed, construed and enforced in accordance with the laws of the State of California, except that the rule of interpretation in California Civil Code section 1654 will not apply. Venue of any litigation arising out of this Agreement will lie exclusively in the state trial court or Federal District Court located in Sacramento County in the State of California, and the parties consent to jurisdiction over their persons and over the subject matter of any such litigation in such courts, and consent to service of process issued by such courts.
8. The Contractor shall be responsible for strict compliance with all applicable laws, regulations, court orders and other legal requirements applicable to the work to be accomplished under the Contract, including the California Occupational Safety and Health Act and all applicable safety orders issued by the Division of Occupational Safety and Health, Department of Industrial Relations, State of California, and all applicable requirements of Underwriters Laboratories and the Federal Communication Commission.
9. Contractor warrants and represents that the person or persons executing this Agreement on behalf of Contractor has or have been duly authorized by Contractor to sign this Agreement and bind Contractor to the terms hereof.

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10. Except as specifically modified herein, all terms and conditions of the Cooperative Contract shall remain in full force and effect, and Contractor shall perform all of the services, duties, obligations, and conditions of the Cooperative Contract as stipulated and modified by this Agreement. Where there is a conflict between the terms and conditions of the Cooperative Contract and this Agreement, this Agreement shall control.

SUPPLEMENTAL CONTRACT

Approval Recommended By:

Project Manager

Approved By:

Tami McCallum
Tami McCallum (Mar 6, 2025 09:09 HST)

Contractor

Approved By:

Ryan Moore, Assistant City Manager
City of Sacramento

Approved As To Form By:

Paul A. Gale

City Attorney

Attest:

City Clerk

HGAC PROPOSAL

February 24, 2025

City of Sacramento
 Attn: Steven Honan
 5730 24th Street
 Sacramento, CA 95822
shonan@cityofsacramento.org

RE: Two (2) 2026 North Star 165-3 Ambulances

Braun Northwest is pleased to offer the following proposal which is based upon HGAC Contract AM10-23:

Two (2) 2026 North Star 165-3 Ambulances on a 2026 Ford E-450 4x2 ambulance prep gas chassis based upon enclosed NS vehicle #4234/6-3 “Approval” specifications dated 2/21/2025 and NS vehicle #4040/1-3 drawings dated 8/8/2024 with the following changes:

- Utilize a 2026 Ford E-450 4x2 Ambulance Prep gas chassis in Race Red
- Include Change Orders #1-3, excluding credit for repainting chassis on change order #2
- Utilize one (1) additional OEM key and fob, for a total of three (3) keys

Base Price HGAC AM23CA17	\$199,690.00
Published/Customization options taken	\$ 75,261.00
Travel, based upon (3) ppl for (1) trip	\$ 2,025.00
Travel for a Braun NW technician to complete punch list	\$ 800.00
HGAC Buy Discount	<\$ 1,500.00>
Multi vehicle discount	<\$ 1,500.00>
Allowance	\$ 2,500.00
Sales Tax based upon 8.75%	<u>\$ 24,261.65</u>
Sub-Total for one (1) vehicle	<u>\$301,537.65</u>
Sub-Total for two (2) vehicles	<u>\$603,075.30</u>
California Tire Tax - Non Taxable	\$ 24.50
Delivery Fee for two (2) vehicles – Non-Taxable	\$ 3,500.00
HGAC Fee – Non-Taxable	<u>\$ 1,000.00</u>
Total for two (2) vehicles F.O.B. Sacramento, CA	<u>\$607,599.80***</u>

F.O.B.: Sacramento, California

Delivery: Approximately 530 - 580 days based upon current manufacturing plan and chassis arrival

Terms: Ninety percent (90%) payment due upon receipt of vehicle. Balance due in thirty (30) days.

**The above pricing includes one (1) round-trip travel charges for three (3) people flying from Sacramento, CA for one (1) final inspection of two (2) vehicles.*



BRAUN-NW inc.

150 North Star Drive / PO Box 1204 / Chehalis, WA 98532 / 360.748.0195 / 800.245.6303 / fax 360.748.0256

****The above pricing includes one (1) trip for one person from Braun NW to complete final punch list from City of Sacramento for two (2) vehicles. Punch list must be completed and submitted to Braun NW (7) days after delivery. Braun NW will send technician for final punch list within (7) days after receipt of punch list.**

Sales tax is based upon 8.75% and N/A on HGAC fee and Delivery of units.

*****The above pricing is based upon the availability of the current model year chassis. Should the model year no longer be available at the time the order is placed, a newer model year will be offered with an adjustment in price.**

(Note: This bid is contingent on use of customer's Government Ford Fleet Identification Number.) Failure to secure a FIN will increase the price by the amount of the GPC chassis discount.

Braun Northwest, Inc. is a California dealer (#16055) with insurance information available upon request.

**Respectfully Submitted by:
Braun Northwest, Inc.**

**We agree to accept the above proposal:
City of Sacramento**

Tami McCallum

Tami McCallum, V.P. of Sales

Date: 2/24/25

Signature

Date

Printed Name

Title

TM
cc BC/LM
Enclosures: Option, specifications, drawings.



EMERGENCY VEHICLES

www.braunnw.com

**OPTIONS
FOR
*City of Sacramento
Sacramento, California***

Please indicate if you want the following options by initialing in the space provided and checking the appropriate "yes" or "no" box, then sign where indicated below. After completion, please return this original form to our office along with the original proposal.

Thank you!

1. Pay for chassis in full within 30-days of receipt of chassis at Braun Northwest.
DEDUCT PER UNIT <\$4,000.00>
Do you want this option? Yes No _____initials

(NOTE: THIS PRICING DOES NOT INCLUDE SALES TAX.)

APPROVED BY: *(Please initial above choice (s) & sign below)*

(Signature) (Date) (Printed Name) (Title)

BRAUN NORTHWEST, INC.
DETAILED SPECIFICATIONS
FOR
SACRAMENTO FIRE DEPARTMENT
SACRAMENTO, CALIFORNIA
4234-3 thru 4236-3

1 CHASSIS

1.01 OEM CHASSIS

- 2025 Ford E-450, meeting all the specifications of Section 1.01.
 - 3 year/36,000 mile "Bumper to Bumper" warranty
 - Ambulance Prep. Package 47H
 - Dual rear wheels
 - Twelve Frame Pucks (559)
 - Provided by Braun Northwest

1.01.01 SPECIFIC RATINGS

- Drive – 4 x 2
- G.V.W.R. – 14,500 lb
- Front Axle – 5,000 lb
- Rear Axle – 9,600 lb
- Wheelbase – 158"
- Cab to Axle – 100"
- Front Spring Capacity – 5,000 lb
- Rear Spring Capacity – 9,600 lb
- Rear Differential – 4.56 ratio, limited slip axle

1.01.02 POWER TRAIN

- Engine – Gasoline
 - 7.3L V8 Premium (99N)
 - Engine block heater
 - Heavy duty dry type air cleaner with flow restriction indicator
- Engine Cooling System
 - Heavy duty, closed-air, free-liquid state type
 - Coolant recovery system
 - 50/50 solution Permanent type antifreeze to –40 degrees F
- Transmission
 - 6-speed automatic transmission with tow/haul mode
 - Auxiliary transmission oil cooler
- Exhaust System
 - System complies with Federal Motor Carrier Safety Regulations, Part 393.83
 - Suspended using three hangers, excluding manifold attachment
 - Discharge at right rear side of module

- Tailpipe shall not terminate within twelve inches of the vertical axis of the fuel tank filler opening.
- Two exhaust heat shields mounted in mid-chassis, right-hand side for upfitter installed frame pucks

1.01.03 STEERING

- Power assisted
- Tilt and telescoping steering wheel

1.01.04 SHOCK ABSORBERS/STABILIZER BARS

- Heavy-duty shock absorbers front and rear
- OEM front and rear stabilizer bars

1.01.05 BRAKES

- Four Wheel Disc with Traction Control
 - Hill Start Assist
 - Traction Control
 - Electronic Stability Control

1.01.06 TIRES AND WHEELS

- Seven OEM LT225/75R16E all-season steel belted radials
- Seven OEM 16" painted white steel wheels
- Spare tire and wheel
- Steel valve stems

1.01.07X ELECTRICAL

- Alternators – OEM dual heavy-duty, 397 amps total (**63N**)
- Batteries – OEM dual heavy-duty, 78 amp-HR batteries

1.01.08 INSTRUMENT PANEL AND CONTROLS

- Gauges
 - Speedometer
 - Tachometer
 - Coolant Temperature
 - Oil Pressure
 - Fuel Level
 - Odometer/Trip Odometer
- Cruise Control
- Instrument Panel Message Center
- Dual USB ports in instrument panel
- Audio – Bluetooth-capable AM/FM stereo w/clock display, USB input
- Four Speakers

1.01.09 CAB EXTERIOR

- Exterior Upgrade Package
 - Bumper – Front, Chrome
 - Grille – Chrome
- License Plate Bracket

- Horn – OEM dual electric
- Windshield wipers – Interval
- Telescopic Trailer Tow Mirrors with manual adjustments
 - Two black, below eye level, manually telescoping trailer tow
 - Power adjusted upper glass
- Lights
 - Headlamps with Autolamp
 - Dual sealed-beam with fixed lens
 - Daytime Running Lamps, configurable
- Fuel tank – OEM 55 Gallons

1.01.10

CAB INTERIOR

- Seats – OEM
 - Cloth covered high back Captain’s Chairs
 - Combination lap and shoulder harness
- Climate Control – OEM
 - Heavy duty, fresh air, high-capacity heater/defroster
 - Dehumidifying air conditioning system
- Auxiliary Heater-Air Conditioning Connector Package
- Airbags
 - Driver and right-front passenger front
- Interior Upgrade Package
 - High-series door trim panels
 - Flooring – black vinyl
 - Insulation Package
 - Cloth sun visors
- Lights and Convenience Group
 - Courtesy light switches on all doors
 - Warning Chimes
 - Headlight-on audible alert
 - Illuminated Entry
 - Dual Air Bags
- Two 12-volt power point
- Day/Night Interior Rear-view Mirror
- Remote Keyless Entry **(948)**

1.01.11

COLORS

- Exterior – Race Red **(PQ)**
- Interior – Medium Flint Gray

1.02 CHASSIS MODIFICATIONS

The following modifications shall be made to the chassis by Braun Northwest.

1.02.04 EXHAUST HEAT SHIELDS

Shall be formed from 20ga. galvanized sheet metal with stamped reinforcements and formed edges. Access openings shall be provided for shock absorber, mounting bolts, etc. Heat shields shall be bolted to chassis frame and extend from back of cab to the frame cross member just behind the rear axle.

1.02.05X RUNNING BOARDS

Running boards made of 0.125" bright aluminum diamond plate with front splash guards shall be installed on both sides of the cab, flared towards the front corners of the module, and securely mounted with stainless steel 1/4"-20 truss head bolts.

Note: All sharp edges on splash guards to be smoothed down.

1.02.07 AUTO THROTTLE

An Intermotive voltage monitor shall be installed to automatically adjust the auto throttle for changes in electrical and AC loads.

1.02.09 MUD FLAPS

Mud flaps with the "NORTH STAR" logo shall be installed behind each rear wheel.

1.02.10X TIRES AND WHEELS

The seven OEM wheels shall be removed, the tires shall be dismantled, and the wheels shall be powder coated to match Agate Black (GB-100558185v.2) (Section 3.04.01 related).

Tires shall be remounted and installed on chassis. Spare shall be shipped loose.

Note: Center of wheels/axle shall be painted black.

1.02.20X SECURE IDLE/CHASSIS ANTI-THEFT

Install a Secure Idle system, which allows the key to be removed from the ignition with the engine idling. The Secure Idle system shall be activated by a rocker switch labeled "ANTI-THEFT" with integral indicating light installed on the dash, left of the steering wheel. When activated, indicator light will light up and the system will allow the vehicle engine to continue running after the ignition key has been removed but will not allow the vehicle to move until the key is reinserted.

1.02.31X STATION EXHAUST

A collar shall be installed on the OEM exhaust to allow connection to customer's Plymovent station exhaust system. Exhaust shall be angled 45° toward the rear.

1.02.36 AUXILIARY COMPRESSOR

A TM-16 auxiliary air conditioning compressor kit shall be added to the OEM engine (Section 5.17 related.)

Previous Build: 4040-3

1.02.55X MISCELLANEOUS ELECTRICAL CONNECTION

Install a 350amp red Anderson Power Product (P/N5641) jump-start connector with a red dust cap (P/N 905350) in OEM bumper cut-out, curbside on a custom aluminum bracket.



1.03 MODULE-TO-CHASSIS MOUNTING SYSTEM

1.03.01 MODULE MOUNTING SYSTEM

Module mounting system shall be designed and used as supplied by chassis manufacturer. It shall consist of twelve rubber puck mounts secured with chassis manufacturer-supplied 0.50" hardened bolts.

1.03.02 CAB-TO-MODULE ATTACHMENT

The module shall be attached to the cab by twenty 5/16" Grade 5 plated steel bolts with nylon insert locking nuts. Access plates shall be provided in the bulkhead wall for the servicing of cab-to-module bolts or for remounting of the body.

1.03.03 CAB-TO-MODULE GASKET

A closed-cell, neoprene, weatherproof gasket shall be installed between the cab and module to minimize electrolytic corrosion.

2 MODULAR CONSTRUCTION

All material utilized shall be of the correct type, alloy, and thickness to withstand the intended usage and provide protection against cracking, corrosion, or metal fatigue. All materials utilized shall be of open stock origin, commonly available through local sources, for rapid and economical repair or modification of the body. Any use of proprietary parts or materials in the construction of the body is unacceptable, due to potential delays or difficulties in future repairs or service. **NO EXCEPTIONS TO BE TAKEN IN THIS AREA.** This specification has been designed and written to fill specific needs of this agency. Where brand name, make, or model of equipment has been specified, no exceptions shall be allowed. Where compartment and cabinet sizes have been specified, bidder must bid substantially (plus or minus 1") the size specified. The module shall have a transferable lifetime structural warranty.

2.01

MATERIAL

<u>EXTRUSIONS</u>	<u>SIZE</u>	<u>ALLOY</u>
Structural Tubing	1" x 2" x 0.125" sq.	6063-T52
Structural Tubing	2" x 2" x 0.125" sq.	6063-T52
Cross Members	3" x 3" x 0.375"	6061-T6
Cross Members	1.5" x 0.25"	6061-T6
<u>FORMED SHEETING</u>	<u>SIZE</u>	<u>ALLOY</u>
Skin/Roof/Compartments/Subfloors/Doors	0.125"	5052-H32
Interior Cabinets	0.090"	5052-H32
Diamond Plate	0.125"/0.08"	3003-H22
Stainless Steel	16ga., 20ga.	304 # 4B

2.02

MODULE DIMENSIONS

Overall Vehicle Dimensions (Specifications are listed as minimums.)

Length	21 ' 11.875 "	263.88 "
Width (excluding mirrors)	8 ' 0 "	96.00 "
Height (Approximate)	9 ' 2.31 "	110.31 "

Exterior Module Dimensions (Specifications are listed as minimums.)

Length	13 ' 9 "	165.00 "
Width	8 ' 0 "	96.00 "
Height	7 ' 4.375 "	88.38 "

Interior Dimensions (Specifications are listed as minimums.)

Length	Forward Wall to Rear Wall	157.00 "
Width	Left Wall to Right Wall	91.00 "
Floor Width	Left Cabinets to Squad Bench	50.25 "
Height	Floor to Ceiling	72.00 "

Load Height (Approximate)	32.00 "
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2.03 STRUCTURAL FRAMING

Side wall and rear wall construction shall consist of 2" x 2" x 0.125" aluminum square tubing extensions welded together with a maximum of 14" centers. 1" x 2" x 0.125" aluminum tubing may be utilized in addition to 2" x 2" tubing to accommodate custom compartment sizes. The bottom of the wall structure shall be sealed with a welded 2" x 2" tube, a 2" x 2" angle, or a 0.125" plate depending upon location. The wall structure shall be capped with a 2" x 4" x 0.125" header upon which a 2" x 2" x 0.125" roof structure is welded. This process provides a unitized roll cage structure for greater occupant safety. The front wall structure shall be constructed of formed aluminum channels to allow ample space for wiring raceways, heater hoses, and A/C hoses.

2.04 FOUNDATION SYSTEM

The foundation system shall consist of a 0.125" aluminum sheet subfloor with foundation members securely welded under the subfloor. Transverse members (laterals) shall consist of 3" x 3" x 0.375" structural angles with 1.5" x 3" x 0.25" channel(s) above the fuel tank. 0.25" x 1.5" aluminum stringers shall span longitudinally between the laterals.

2.05 MODULE SEAMS

All body and compartment seams at or below floor level shall be full-seam-welded. The entire perimeter of the subfloor shall be completely sealed with a caulking material, creating a watertight seam.

2.06 EXTERIOR SKIN

A Norton NORBOND closed-cell, polyurethane foam tape with high-performance acrylic adhesive shall be utilized full length on all front and rear wall and roof frame members. A polyurethane adhesive sealant shall be applied to the edges of framing members that are bonded with NORBOND tape. An advanced two-part methacrylate structural adhesive shall be used to bond all side wall tubes to the exterior skin and door frames.

The module shall be constructed utilizing full-size sheet construction to minimize body seams. There shall be no corner or mid-body seams.

2.07 MODULE ROOF

In order to improve module strength and minimize exposed seams, the roof shall be seamed transversely, shall be crowned, shall have a 1.5" radius along the edges, and shall be welded to 2" x 4" wall header tubes 4.75" below the roof line. The roof shall be supported by positive contact between sidewall framing and roof framing. All seams on the roof surface shall be continuously welded and body-worked on the outside. In order to avoid the possibility of paint and/or weld cracking, no extrusions shall be used in the exterior construction of the roof or corners of the module.

A contoured, 3/8" aluminum plate, painted to match the module, shall be welded to the roof structure and project through the center of the roof to serve as anchorage for personal fall arrest equipment. The anchorage is designed and rated for a single person only.

The module roof front and rear edges shall be constructed to allow mounting of recessed lightbars.

2.08X MODULE EXTERIOR COMPARTMENTS

All compartments shall be constructed from formed 0.125" aluminum, securely welded to the subfloor and structural framing. A baffled drain hole shall be provided in all exterior compartment bottoms that extend below the floor line. All exterior adjustable shelves shall be mounted on heavy-duty aluminum track, which is securely welded to compartment interiors. Each shelf shall support at least 300lb of equipment.

Compartments #1-4 shall have a sweep-out design.

COMPARTMENT #1

Interior Dimensions – 21"W x 78"H x 20"D

Doorway Dimensions – 21"W x 79"H

Location – Streetside, forward

Shelving – One adjustable

Door(s) – Single

Light(s) – One vertical LED strip light, forward

Additional Instructions –

1. This compartment shall have a welded bracket, painted to match the compartment, and three ratcheting straps with UHMW stiffeners set up for storage of a ***customer-supplied-and-installed*** H or M-size cylinder (Section 4.10 related).
2. A vent with MERV 8 polyester filter media and a hex-punched stainless-steel cover shall be installed on the forward wall.
3. One ABC 5lb fire extinguisher with an Amerex #861H SAE-J3043 compliant bracket shall be installed in this compartment on the forward wall, mid height (Section 4.32A related).
4. Compartment shall have a sweep-out design.

COMPARTMENT #2

Interior Dimensions – 44"W x 35"H x 20"D

Doorway Dimensions – 48"W x 36"H

Location – Streetside, forward of wheel well

Shelving – One adjustable

Door(s) – Double

Light(s) – Two vertical LED strip lights, one aft, one forward

Additional Instructions –

1. The 120VAC Power Box shall be installed in the forward wall (Section 6.21 related), in a close-out.
2. The inverter shall be installed on the ceiling of the compartment in the forward upper corner, on heavy duty track (Section 6.31X related).
3. There shall be a close out in the lower right rear corner to allow for chassis leaf spring movement.
4. Passive ventilation shall be provided to the forward portion of this compartment from the interior via two precision punched wall sections below the action area in the forward portion of the compartment, one upper and one lower (Section 2.10, Action Area #5 related).
5. Compartment shall have a sweep-out design.

COMPARTMENT #3

Interior Dimensions – 33.5"W x 64"H x 20"D (lower) 12.5"D (upper)

Doorway Dimensions – 26.5"W x 65"H

Location – Streetside, rear

Shelving – None

Door(s) – Single

Light(s) – One vertical LED strip light, forward

Additional Instructions –

1. Four partial height vertical strips of aluminum track shall be installed on the back wall in the upper portion of the compartment. Four coat hooks shall be provided and installed at the bottom of the aluminum tracks, one per track.
2. Two vertical strips each of aluminum track shall be installed on the forward and aft walls in the upper portion.
3. There shall be a close out in the lower, forward, back corner to allow for chassis leaf spring movement.
4. A vent with MERV 8 polyester filter media and a hex-punched stainless-steel cover shall be installed on the aft wall.
5. Compartment shall have a sweep-out design.

COMPARTMENT #4

Interior Dimensions – 24"W x 76"H x 20"D

Doorway Dimensions – 24"W x 70"H

Location – Curbside, rear

Shelving – Three partial-width adjustable, with gasket on outer edge, but no lip

Door(s) – Single

Light(s) – One vertical LED strip light, forward

Additional Instructions –

1. Compartment shall have a full depth fixed center divider.
2. The bottom shelf shall be installed a minimum of 38.5" high, to allow for stair chair storage below the shelf. All three shelves shall be full depth, shall not have a flange on the outer edge and shall angle slightly downward at the back. Knock-on material shall be added to the edge of each shelf.
3. One backboard restraining strap shall be installed from the center divider to the aft wall to secure the backboards and one backboard restraining strap shall be installed from the center divider to the forward wall to secure the *customer-supplied-and-installed* Stryker 6252 stair chair (Section 4.27 related).
4. A pocket shall be installed in the door adjacent to the stair chair (Section 2.09.01 related).
5. A vent with MERV 8 polyester filter media and a hex-punched stainless-steel cover shall be installed on the aft wall.
6. A formed stainless steel gasket cover shall be installed on the lower doorframe edge so that backboards do not cut gasket material.
7. Compartment shall have a sweep-out design.

COMPARTMENT #5 – Battery Drawer

Interior Dimensions – 25.75"W x 13.125"H x 18"D

Location – Curbside, forward

Light(s) – None

Additional Instructions –

1. This compartment shall be a roll out drawer battery compartment capable of holding three Group 31 Odyssey batteries. The drawer shall have a drain hole, a nylon battery hold-down strap with footman loops and 300 lb. capacity slides. Battery cable shall be long enough to allow full extension of the drawer without disconnecting the batteries (Section 6.24 related).
2. The compartment shall be vented to the outside.
3. Wire access hole shall have knock-on installed.

2.09 MODULE DOORS

The doors shall be box-pan-formed with a total thickness of 2".

2.09.01 DOOR FRAMES AND SEALS

Each door frame shall have a flange for the installation of an air cell hollow core 360-degree compression door seal. This seal creates watertight, dust-free compartment integrity. Door seal shall be knock-on type. Door frames shall be bonded to the adjacent tubes such that no exterior flange is required.

2.09.02 DOOR HINGES

Compartment and passage doors shall have full-length, piano-type, 2.5"W stainless steel hinges, positioned with 0.25" rivets at each end. The hinges shall be attached with #12 x 0.75" stainless steel truss head screws spaced 4" apart, sealed with Sikaflex. All curbside and streetside side-hinged single doors shall be hinged on the forward sides, and all rear single side-hinged doors shall be hinged on the outboard sides.

2.09.03 DOOR LATCHES

Exterior door handles shall be semi-flush, chrome-plated Eberhard E Grabber #21100. Passage doors shall have release handles on the inside of each door. All exterior doors shall have rotary latches and striker posts that meet FMVSS 206 requirements. Striker posts shall be adjustable and be secured with a nut from behind the door frame. The striker washer shall not be removed. Doors greater than 45" tall shall have double rotary latches activated by stainless steel rods. Once final adjustments have been made, threads shall have Loctite or equivalent applied. All double-door compartments shall have an exterior E Grabber handle and rotary latches on each door. Doors shall latch to doorframe-mounted striker posts only and not to one another. Curbside passage and rear curbside doors shall have interior handles with dual-point, rod-actuated, rotary latch systems that are lockable inside and out. All locks shall be keyed J236.

Rear passage doors shall both have emergency release levers, one at the top and bottom of each door and accessible from the inside of the module.

2.09.04X COMPARTMENT DOOR CONTROL

A heavy-duty, double-spring door control (**no exceptions**) capable of holding the door open at approximately a 90-degree angle on any road surface shall be installed at the top of each compartment door.

2.09.05X CURBSIDE DOOR CONTROL

A heavy-duty, double-spring door control **(no exceptions)** capable of holding the door open at approximately a 90-degree angle on any road surface shall be installed at the top of the curbside passage door. Two 2"H black seatbelt-type straps with footman loops shall be installed, one each at the top/bottom of the door frame to protect the door from excessive overtravel.

2.09.06 REAR DOOR CONTROL

Rear door controls shall be one grabber-type hold-open device with replaceable rubber catch, per door.

2.09.07X COMPARTMENT DOORSKINS

Each compartment doorskin shall be made of 0.080" bright aluminum diamond plate, shall be removable, and have a latch service opening with a 2.25" x 4.5" black rubber plug for lubrication and service. Doorskins shall be secured with #8 pan head screws and Sikaflex. Red/white 1.5" conspicuity tape shall be installed on the outboard vertical edge of each door.

Compartment #4 shall have a recessed pocket for a *customer-supplied-and-installed* stair chair.

Note: Any sharp edges on the door pocket to be smoothed down.

2.09.08X ENTRANCE DOORSKINS

Shall be 0.090" mill-finished aluminum and be removable to service door hardware. Red/white 1.5" conspicuity tape shall be installed on the top, bottom, and vertical edges of the side passage door and curbside rear door. The streetside rear door shall have conspicuity tape on the top and bottom edges.

Ruby Red #680CR-82/White #680CR-10 Scotchlite chevrons shall be installed on the lower rear portions of the rear passage doors (Section 3.04 related).

A painted bracket for a 7 qt. waste container shall be attached to the lower portion of the rear curbside door skin (Section 5.26 related).

One white bolt on glove butler shall be provided and installed on the lower portion of the rear curbside door. (Section 5.23 related)

2.09.09 ENTRANCE DOORWAYS

One curbside and two rear module entrance doors shall be provided. The curbside doorway dimensions shall be 31"W x 73.75"H. The rear doorway dimensions shall be 49.75"W x 66"H

2.09.10 THRESHOLDS

All compartment and module access door frames shall have full-width-formed stainless-steel threshold plates to protect the lower edge of frame.

2.10X MODULE INTERIOR CABINETS

Shall be formed of 0.090" aluminum and shall be securely welded or mounted to the structural framing. All interior adjustable shelves shall be mounted on 1" wide aluminum track.

CABINET #1

Dimensions – 48"W x 16"H x 15.75"D

Location – Streetside, upper forward

Shelving – Two adjustable. One forward, and one aft, of vertical divider

Door(s) – Sliding clear 0.25" polycarbonate with felt-lined anodized aluminum track, interlocking aluminum trim, and full extruded aluminum door pulls with integral door latch.

Lighting – Under-cabinet LED strip light (Section 6.14 related)

Additional Instructions –

1. Cabinet shall be divided in the center by a vertical fixed divider.
2. An IV hook with spacer shall be installed on the lower aft corner of this cabinet (Section 5.07X related).

CABINET #2

Dimensions – 38.75"W x 15.75"H x 15.75"D

Location – Streetside, upper rear

Shelving – Two adjustable, one forward, and one aft of divider

Door(s) – Sliding clear 0.25" polycarbonate with felt-lined anodized aluminum track, interlocking aluminum trim, and full extruded aluminum door pulls with integral door latch.

Additional Instructions –

1. Cabinet shall be divided in the center by a vertical fixed divider.
2. An IV hook with spacer shall be installed on the lower forward corner of this cabinet (Section 5.07X related).

CABINET #3

Dimensions – 30.25"W x 29"H x 7.625"D

Location – Streetside, middle rear

Shelving – Two adjustable

Door(s) – Sliding clear 0.25" polycarbonate with felt-lined anodized aluminum track, interlocking aluminum trim, and full extruded aluminum door pulls with integral door latch.

Additional Instructions – None

#4 – Open Storage

Dimensions – 20.25"W x 29"H x 20"D

Location – Streetside, aft of CPR seat

Shelving – None

Door(s) – None

Additional Instructions –

1. A full depth one-piece 16ga, 304 stainless-steel counter top with a 0.5" aluminum retaining lip and aluminum cove trim along the wall shall be installed.
2. A 120VAC GFCI duplex receptacle shall be installed on the back wall, aft (Section 6.21 related).
3. An aircraft-grade cable with snap and footman loop shall be installed on the back wall, center.
4. One Ohio type oxygen outlet shall be installed on the back wall, forward (Section 5.11 related).

#5 – Action Area

Dimensions – 50.25"W x 28.5"H x 20"D

Location – Streetside

Shelving – None

Door(s) – None

Additional Instructions –

1. A full-width close-out panel shall be located just below Cabinet #1 and shall include the following items:
 - Digital thermostat (Section 5.17 related)
 - Inverter status panel (Section 6.31 related)
 - Six switch attendant panel (Section 6.13 related)
 - A 7.75"W x 2.125"H cut-out for a *customer-supplied-and-installed* Motorola back-up radio remote head, and 7.75"W x 2.125"H cut-out for *customer-supplied-and-installed* Motorola med radio remote head.
 - ***Bottom of closeout shall have a painted aluminum removable access panel.***
2. The Action Area wall shall include the following items:
 - One Bemis suction collector with stainless-steel bracket (Section 5.13 related)
 - Flush mount SSCOR #22000 suction regulator (Section 5.13 related)
 - Electric oxygen panel with manual bypass (Section 5.11 related)
 - One 120VAC GFCI duplex receptacle (Section 6.21 related)
 - Two Kussmaul combination USB-A/USB-C switch-insert-style charging ports shall be installed in a two-switch panel (Sections 6.13 and 6.25 related).
3. The countertop shall be one-piece 16ga, 304 stainless-steel with a 0.5" aluminum retaining lip.
4. An oxygen window shall be installed in the forward wall of the Action Area (Section 5.29 related).
5. A Sage #85131, 5 qt. sharps container with mailbox lid and mounting bracket shall be installed on the back wall, aft (Section 5.26X related).
6. The wall below the Action Area at the forward end shall have two precision punched areas, to provide passive air flow to the forward section of Compartment #2 (Section 2.08 related).

CABINET #6 – Radio Cabinet

Dimensions – 16"W x 48.5"H x 18"D

Location – Front, behind attendant seat

Shelving – None

Door(s) – Two aluminum doors: one forward-hinged aisle facing with two SouthCo C2 latches, one aft facing lift off panel with two SouthCo C2 latches

Additional Instructions –

1. This cabinet is intended for radio component storage and shall be supplied with access to power component panel. Antenna cables shall terminate in this cabinet. Edge protection shall be provided at entry points for antenna cables.
2. A ¾" thick plywood mounting plate shall be provided in the cabinet and shall have wood screws at the top and bottom of the plate to secure the plywood to the flange to prevent rattling. Plywood shall be painted gray (GLV-51748).
3. The doors shall be precision-punched in the upper and lower portions.
4. Small clear rubber bumpers shall be installed on the door to help prevent rattling.
5. The top of the cabinet shall have a lip on the outer edges, with easy sweep mat. Lip shall not obstruct Cabinet #12 door.



CABINET #7 – CPR Seat with Storage

Dimensions – Bench: 27.825"W x 18.75"H x 20"D

Storage: 27.825"W x 7.625"H x 20"D

Location – Streetside

Shelving – None

Door(s) – Hinged aluminum bench lid, with high-density foam padding covered with seamless vinyl shall provide access to the storage area. It shall have a 1.5" overhang, an automatic hold-open device, and stainless-steel paddle latch. The pad shall be removable.

Additional Instructions –

1. The CPR seat back pad and head pads shall have high density foam padding covered with seamless vinyl. Head pads shall be added to the aft side of Cabinet #1 and forward side of Cabinet #2.
2. The CPR seat base to be formed from aluminum and securely anchored to sub-floor. The bottom and sides of the storage area shall be sprayed with textured polyurea and painted white with gray splatter.
3. One **yellow** two-point automatic locking retractor seatbelt shall be installed (Section 5.14 related).

CABINET #8

Dimensions – 35.25"W x 6.5"H x 10"D

Location – Curbside, upper rear

Shelving – None

Door(s) – Sliding clear 0.25" polycarbonate with felt-lined anodized aluminum track, interlocking aluminum trim, and full extruded aluminum door pulls with integral door latch.

Additional Instructions – None

CABINET #9

Dimensions – 35.25"W x 6.5"H x 10"D

Location – Curbside, upper rear

Shelving – None

Door(s) – Sliding clear 0.25" polycarbonate with felt-lined anodized aluminum track, interlocking aluminum trim, and full extruded aluminum door pulls with integral door latch.

Additional Instructions – None

CABINET #10 – Squad Bench with Storage

Dimensions – Bench: 73.75"W x 16"H x 20"D

Storage: 10.625"W x 16"H x 20"D (forward)

63.125"W x 7.625"H x 20"D (aft)

Location – Curbside

Shelving – None

Door(s) – Hinged aluminum bench lid, with high-density foam padding covered with seamless vinyl shall provide access to the storage area. It shall have a 1.5" overhang, automatic hold-open device, and stainless-steel paddle latch. The pad shall be removable.

Additional Instructions –

1. The squad bench back and/or head pads shall have high density foam padding covered with seamless vinyl. The squad bench base to be formed from aluminum and securely anchored to sub-floor. The bottom and sides of the storage area shall be sprayed with textured gray polyurea and painted white with gray splatter.
2. Three sets of **yellow** two-point automatic locking retractor seatbelts with three lower receivers **with stainless steel washers** shall be installed on the bench and set up for use with sit-up or stretcher patients (Section 5.14 related).
3. An Ohio-type oxygen outlet and momentary dome timer switch to activate the dome lights shall be installed on the back wall above the back pad (Sections 5.11A and 6.16X related).
4. One Becton Dickinson 6.9 qt. sharps container and one 7 qt. waste container shall be installed at the forward end of the squad bench, with a hinged painted aluminum door with a finger hole and drop-in sharps hole. Clear rubber bumpers, a magnet and steel button shall be installed to hold open the door against the wall. Sharps and waste shall be accessible for changing through a removable panel with a foam gasket (Section 5.26X related).
5. A **yellow** patient restraint net shall be provided at the forward end of the bench (Section 5.34 related).
6. Four Zico QR-D-2/H strapless D-cylinder brackets shall be installed, two middle and two aft (Section 5.35X related). The forward brackets shall face aft, and the aft brackets shall face forward.
7. One painted aluminum IV catheter organizer shall be installed on the forward-facing wall at the aft end of the squad bench. Organizer shall have 8 pockets, and shall be 2"D x 16"W x 4"H, with knock-on on the edges. The tray shall be installed 22" up from the bench (Measurement is from the bench to the bottom of the tray) (Section 5.07X related). Shall be installed so as not to impede on the squad bench lid opening.
8. A 9" sweep second hand clock shall be installed on the forward facing wall (Section 5.24 related).

CABINET #11 – HVAC

Dimensions – 35.75"W x 16.5"H x 22.875"D

Location – Right front stack, upper

Shelving – None

Door(s) – None

Additional Instructions –

1. This cabinet shall house heater/AC unit and suction pump.

CABINET #12 – Electrical Cabinet

Dimensions – 31.25"W x 17"H x 10"D

Location – Front, above walk-thru

Shelving – None

Door(s) – Aluminum, hinged, swing up door with a hold-open device, a quarter turn slotted latch, and an automatic cabinet light.

Additional Instructions –

1. This cabinet shall house the electrical component module.
2. Clear rubber bumpers shall be added to the door to prevent rattling.
3. A 2100 High priority GPS preemption upgrade kit shall be installed in this cabinet (Section 6.48 related).

CABINET #13

Dimensions – 29.75"W x 18.75"H x 22.875"D

Location – Right front stack, top

Shelving – None

Door(s) – Two painted aluminum double doors with twist/slam latches.

Additional Instructions –

1. One 120VAC GFCI duplex receptacle and one Kussmaul combination USB-A/USB-C charge port on an ABS panel shall be installed on the back wall, right, on the closeout (Section 6.21 and 6.25 related).
2. One 12VDC power and ground and one CAT6 cable shall run from radio Cabinet #6 and enter through the streetside wall of this cabinet on the left side, 6" back from the opening for a *customer-supplied* Knox MedVault 2.5 (Section 5.36 related).
3. Rubber bumpers shall be added to the door to prevent rattling.
4. A painted aluminum access panel shall be installed on the back wall, right (Ref. 688-R)

CABINET #14 – Custom Drawer

Dimensions – 29.75 x 5"H x 19.5"D

Location – Right front stack

Additional Instructions –

1. A custom 28.125"W x 5"H x 19.5"D metal drawer shall be installed. Drawer shall operate on 18" slides rated at 300lb per set and have a gas shock hold open/closed device to ensure drawer does not accidentally open or close during operation of the vehicle. Drawer shall be of formed 0.125" aluminum, coated with polyurea thermoplastic elastomer and painted to match the interior.
2. Rubber bumpers shall be added to the drawer to prevent rattling.

CABINET #15

Dimensions – 33.125"W x 27.75"H x 22.875"D

Location – Right front stack, lower

Shelving – Two adjustable

Door(s) – None

Additional Instructions – None

2.11

SIDE DOORSTEP

A recessed curbside side doorstep shall be provided which is 11.5" deep x 31" wide. There shall be a drain hole and an open grate step plate which is removable for cleaning purposes. Polished aluminum diamond plate kick panel shall be installed on the sides and face of doorstep.

2.12X

FRONT MODULE WALL RECESS

Shall be recessed 8" into the module body to provide for maximum adjustment of cab seats.

2.13X

CAB TO MODULE PASSAGE

Shall be a walk-thru measuring 15.25"W x 48"H.

2.15

ELECTROLYSIS PREVENTION

All external materials and fasteners shall be selected to prevent electrolysis and corrosion due to dissimilar materials and exposure to the elements. The module shall be painted before any exterior items (hinges, latches, door hold opens, etc.) are installed to provide an isolating film between dissimilar materials. Exterior fasteners used for direct connection to painted aluminum surfaces shall be coated with a corrosion inhibitor.

3 COATINGS AND FINISHES

3.01 MODULE FINISH PREPARATION

The module shall be seam sealed and all imperfections on aluminum surfaces of module shall be sanded smooth. The entire exterior shall be mechanically etched and washed with wax-and-grease-remover to ensure proper primer/sealant adhesion.

3.02 MODULE PRIMER

Module shall be sealed with a two-component, low VOC, direct-to-metal epoxy primer/sealant prior to applying the finish coat of acrylic urethane paint.

3.03 PAINT TYPE

Shall be Sherwin Williams acrylic urethane.

3.04X COLOR SCHEME

Base color: To match Race Red (G4-100871777)

Condenser housing to be painted to match module (Section 5.17X related).

Two additional layers of clear coat shall be applied, painted surfaces shall be cut and buffed to remove all paint blemishes from the entire module.

Stripe #1	Color:	White (G2-33631 Alt 2)
	Style:	Straight
	Material:	Paint
	Location:	Module rooftop and down to drip rail
Stripe #2	Color:	White (680CR-10)
	Width:	1"
	Style:	Beltline with front down sweep on sides of module
	Material:	Scotchlite
	Location:	1" above stripe #3 on sides and rear of module
Stripe #3	Color:	White (680CR-10)
	Width:	5"
	Style:	Beltline with front down sweep on sides of module
	Material:	Scotchlite
	Location:	Sides and rear of module
Stripe #4	Color:	White (680CR-10)
	Width:	1"
	Style:	Beltline with front down sweep on sides of module
	Material:	Scotchlite
	Location:	1" below stripe #3, on sides and rear of module
Stripe #5	Color:	Ruby Red #680CR-82 and White #680CR-10
	Width:	6"W x 21"H (overall)
	Style:	Chevrons
	Material:	Scotchlite
	Location:	Interior of rear passage doors, lower

3.04.01B CHASSIS COLOR SCHEME

Chassis shall be OEM Race Red (PQ) (Section 1.01.11 related).

Seven OEM wheels shall be powder coated gloss black on both sides (Section 1.02.10 related).

- | | | |
|------------------|-----------|---|
| Stripe #1 | Color: | White (680CR-10) |
| | Width: | 1" |
| | Style: | Chassis sides |
| | Material: | Scotchlite |
| | Location: | 1" above stripe #2 on sides of chassis |
| Stripe #2 | Color: | White (680CR-10) |
| | Width: | 5" |
| | Style: | Chassis sides |
| | Material: | Scotchlite |
| | Location: | Chassis sides, lining up with module striping |
| Stripe #3 | Color: | White (680CR-10) |
| | Width: | 1" |
| | Style: | Chassis sides |
| | Material: | Scotchlite |
| | Location: | 1" below stripe #2, on sides of chassis |

3.05 LETTERING/DECALS

Streetside:

- | | | |
|-----------------|------------|--|
| Item #S1 | Lettering: | <i>"SACRAMENTO"</i> |
| | Font: | Helvetica Italic |
| | Color: | #680CR-10 white with black vinyl outline and drop shadow, left |
| | Size: | 9.14"H x 64.3"W |
| | Material: | Scotchlite and vinyl |
| | Location: | Upper middle |
| Item #S2 | Lettering: | <i>"FIRE DEPARTMENT"</i> |
| | Font: | Helvetica Italic |
| | Color: | #680CR-10 white with black vinyl outline and drop shadow, left |
| | Size: | 6.6"H x 65"W |
| | Material: | Scotchlite and vinyl |
| | Location: | Upper Middle |
| Item #S3 | Lettering: | <i>"SCR"</i> |
| | Font: | Helvetica |
| | Color: | #680CR-10 White with black vinyl outline and drop shadow left |
| | Size: | 3.8"H x 9"W |
| | Material: | Scotchlite and vinyl |
| | Location: | Streetside forward, below light on Compartment #1 door |

Item #S4	Decal:	Customer-supplied decal (Section 8.02 related).
	Location:	Chassis door
Item #S5	Lettering:	"MEDIC"
	Font:	Helvetica
	Color:	#680CR-82 White with black vinyl outline and drop shadow left
	Size:	4.5"H x 15.5"W
	Material:	Scotchlite and vinyl
	Location:	Chassis door in stripe
Item #S6	Numbering:	"#####" (4234-3), "#####" (4235-3), "#####" (4236-3)
	Font:	Helvetica
	Color:	#680CR-85 Black
	Size:	2"H x 8.625"W
	Material:	Scotchlite
	Location:	In white stripe on chassis doors
Rear:		
Item #R1	Lettering:	"SACRAMENTO"
	Font:	Helvetica
	Color:	#680CR-10 white with black vinyl outline and drop shadow, left
	Size:	5.9"H x 47.4"W
	Material:	Scotchlite and vinyl
	Location:	Rear passage doors, above grabbers
Item #R2	Lettering:	"SCR"
	Font:	Helvetica
	Color:	#680CR-10 white with black vinyl outline and drop shadow, left
	Size:	3.8"H x 9"W
	Material:	Scotchlite and vinyl
	Location:	Rear of module, curbside, upper
Item #R3	Lettering:	"FIRE DEPARTMENT"
	Font:	Helvetica
	Color:	#680CR-10 white with black vinyl outline and drop shadow, left
	Size:	4.34"H x 48"W
	Material:	Scotchlite and vinyl
	Location:	Rear passage doors, in stripe
Item #R4	Numbering:	"#####" (4234-3), "#####" (4235-3), "#####" (4236-3)
	Font:	Helvetica
	Color:	#680CR-85 Black
	Size:	3.1"H x 10"W
	Material:	Scotchlite
	Location:	Rear of module, streetside, lower above kick panel

Curbside:		
Item #C1	Lettering:	"SACRAMENTO"
	Font:	Helvetica Italic
	Color:	#680CR-10 white with black vinyl outline and drop shadow, left
	Size:	9.14"H x 64.3"W
	Material:	Scotchlite and vinyl
	Location:	Upper middle
Item #C2	Lettering:	"FIRE DEPARTMENT"
	Font:	Helvetica Italic
	Color:	#680CR-10 white with black vinyl outline and drop shadow, left
	Size:	6.6"H x 65"W
	Material:	Scotchlite and vinyl
	Location:	Upper Middle
Item #C3	Lettering:	"SCR"
	Font:	Helvetica
	Color:	#680CR-10 White with black vinyl outline and drop shadow left
	Size:	3.8"H x 9"W
	Material:	Scotchlite and vinyl
	Location:	Curbside forward, upper
Item #C4	Decal:	<i>Customer-supplied</i> decal (Section 8.02 related).
	Location:	Chassis door
Item #C5	Lettering:	"MEDIC"
	Font:	Helvetica
	Color:	#680CR-82 White with black vinyl outline and drop shadow left
	Size:	4.5"H x 15.5"W
	Material:	Scotchlite and vinyl
	Location:	Chassis door in stripe
Item #C6	Numbering:	"####" (4234-3), "####" (4235-3), "####" (4236-3)
	Font:	Helvetica
	Color:	#680CR-85 Black
	Size:	2"H x 8.625"W
	Material:	Scotchlite
	Location:	In white stripe on chassis doors
Front:		
Item #F1	Numbering:	"####" (4234-3), "####" (4235-3), "####" (4236-3)
	Font:	Helvetica
	Color:	#680CR-10 White
	Size:	6"
	Material:	Scotchlite
	Location:	Curbside, under flasher on placard

Item #F2	Lettering:	"SCR"
	Font:	Helvetica
	Color:	#680CR-10 White with black vinyl outline and drop shadow left
	Size:	3.8"H x 9"W
	Material:	Scotchlite and vinyl
	Location:	Streetside
Item #F3	Numbering:	"####" (4234-3), "####" (4235-3), "####" (4236-3)
	Font:	Helvetica
	Color:	#680CR-85 Black
	Size:	3.1"H x 10"W
	Material:	Scotchlite
	Location:	Bumper, curbside

3.06 COMPARTMENT FINISH

All compartments shall be sanded, etched, washed, primed, coated with textured polyurea thermoplastic elastomer finish and painted white with light gray splatter paint (G2-33631 Alt 2 / GLV-51748).

All shelves and trays shall be sanded, etched, washed, primed, and painted white with light gray splatter paint (G2-33631 Alt 2 / GLV-51748).

3.07X INTERIOR CABINETRY FINISH

All interior cabinetry shall be sanded, etched, washed, primed, coated with textured polyurea thermoplastic elastomer, and painted white with light gray splatter paint. (G2-33631 Alt 2 / GLV-51748)

All shelves and trays shall be sanded, etched, washed, primed, and painted white with light gray splatter paint. (G2-33631 Alt 2 / GLV-51748)

Plywood in Cabinet #6 shall be painted gray.

The steel white marker board shall be painted with GB-33631 white paint with an additional clear coat to be used as a dry erase surface (Section 5.23 related).

3.08 MODULE UPHOLSTERY

Module upholstery material shall be Dove Gray Spradling Perform 60 seamless vinyl.

3.09 MODULE FLOORING MATERIAL

Shall be Genome (#TFM2702) Altro Transflor Meta Slip-Retardant Sheet flooring providing durability, ease of maintenance and stain resistance. It shall contain a high concentration of microscopic aluminum oxide particles and colored quartz crystals suspended throughout the thickness with silicon carbide grains in the entire wear surface for slip-retardant performance. It shall have a bacteriostat incorporated to give flooring excellent anti-bacterial activity and an overall thickness of 0.11" nominal. Flooring shall be manufactured for Wear Resistance to meet ASTM C 501, indentation resistance in accordance with ASTM F 1303 and ASTM F 970, Grade 1 standards, shall meet ASTM D 2047 Slip Retardant, ASTM F 970 Static Load, ASTM E648, CMVSS, FMVSS 302, CAN ULC S102.2 Fire Data Tests. (Section 5.04 related)

An insulated floor shall be installed over the 0.125" aluminum subfloor and shall be comprised of 0.75" thick polyiso insulation between 0.75" x 0.75" x 0.063" square tubing, covered with a 0.125" aluminum sheet (Section 2.04 related).

Floor covering material shall be seamless and cove up the side walls a minimum of 5" as a seal.

3.10 COMPARTMENT LINING

Compartment floors shall be lined with light gray Matéflex floor tile and all shelves with mat.

3.11 CABINET LINING

Interior cabinet shelves shall be lined with easy sweep mats which are removable for ease of cleaning.

3.12 SURFACES AND FINISHES

All patient compartment surfaces and finishes shall be impervious to soap, disinfectants, and water, to permit washing and sanitizing.

3.14X PLACARDS/PLACARD HOLDERS

Four top-loading placard holders with placards shall be installed, with four placards being shipped loose (Section 8.01). Placard holders shall be made of formed stainless steel, approximately 7.375"H x 16"W, and hold placards made of 0.177" red acrylic with white lettering/numbering. The placards shall be mounted (Ref 688-R):

- One on the streetside of the module, forward upper
- One on the rear of the module, streetside upper
- One on the curbside of the module, forward upper
- One on the front of the module, curbside upper

Reference table for lettering on placards (Section 3.05 related).

Placard holders shall be powder-coated G4-1484075, to match Ford Race Red.

4 MODULE EXTERIOR

4.01X STEP/BUMPER

The rear bumper shall be a welded construction of 3" x 3" x 0.375" aluminum angle and 1.5" x 0.25" flat bar and shall be covered by 0.125" bright aluminum diamond plate. The entire top shall be non-skid Grip Strut and shall provide a 7" step. Both outermost ends shall be angled to prevent dragging of corners in high angle of departure areas. Diamond plate shall be formed on front and rear edges for channel-type strength. The bumper shall be bolted directly to the chassis frame using high strength Grade 5 bolts. Bumper shall be easily removable and replaceable in case of damage. Bumper to be designed to accommodate a one-person-style cot.

Note: Underside of bumper and bumper supports shall have all rough edges smoothed out.

4.02X RUB RAILS

Mill-finished aluminum rub rails of a single channel design shall be installed along the lower streetside and curbside edges of the module. Rub rails shall be 0.170" thick x 2"H x 1.25"D with Strip-Lite plus series flashers with chrome flanges in the rub rails (Section 6.30.06 related).

4.03 FENDER RINGS

High grade weather-resistant industrial rubber fender rings with a rounded outer edge shall be installed on the module, following the full contour of the wheel well opening and projecting 2.5" from the module body.

4.04 DRIP RAILS

Extruded, anodized aluminum drip rails shall be installed the full length of the module front, rear, and sides near the roof, and over each exterior compartment and passage door. Drip rails shall be installed with bonding tape and mechanical fasteners on each end that shall withstand exposure to the elements. They shall be finished with 45-degree angled ends to avoid hooking materials which brush against the vehicle causing damage.

4.05 ROCK GUARDS

Bright aluminum diamond plate rock guards shall cover the front module corners, 24" up from bottom of module, 2.5" wrapped around the sides of module, and meet the cab at the front of the module.

4.06 REAR KICK PANEL

A bright aluminum diamond plate rear kick panel shall extend from the bottom edge of the module up to the bottom of the rear doors, full-width formed and wrapped 2.5" around the sides of the module.

4.07 FUEL FILL

A polished cast aluminum fill well shall be installed on the streetside of the module and be properly vented. Fill and vent hoses shall be installed and protected in accordance with the chassis bodybuilder recommendations.

4.08 MODULE WINDOWS

All module windows shall have black anodized aluminum frames, rubber gaskets, be dark-tinted and shall be attached with screws for ease of replacement. The side passage door window shall be 18.75" x 18.75" with sliding glass, a positive catch, and a screen. The rear door windows shall be 18.75" x 18.75" fixed glass to prevent exhaust from entering the module.

4.09 FUEL SPLASH GUARD

A stainless-steel fuel splash guard shall be installed below the fuel fill.

4.10 EXTERIOR OXYGEN CYLINDER STORAGE

Compartment #1 shall have a welded bracket, painted to match the compartment, and three ratcheting straps with UHMW stiffeners set up for storage of a *customer-supplied-and-installed* H or M-size cylinder.

4.16A LICENSE PLATE HOLDER

A recessed license plate holder with dual LED lights shall be installed below rear doors. A hidden unlock switch shall be installed behind the license plate (Section 6.40 related).

4.27 STAIR CHAIR STORAGE

A backboard restraining strap shall be installed in Compartment #4 from the center divider to the forward wall for a *customer-supplied-and-installed* Stryker stair chair.

4.32A EXTERIOR FIRE SUPPRESSION

One ABC 5lb fire extinguisher with an Amerex #861H SAE-J3043 compliant bracket shall be installed in Compartment #1.

4.33 BELOW FLOOR INSULATION

To further enhance noise-insulating properties of the floor system, an acrylic insulating coating shall be applied to the entire bottom surface of the module, including wheel well liners.

4.34X AUTOMOTIVE UNDERCOATING SEAL

The chassis and module underbodies (excluding the area above the fuel tank, driveline, and exhaust lines, per manufacturer's specifications) shall be sprayed with undercoating for reduced corrosion and added sound deadening.

Note: All overspray shall be cleaned from module and chassis after completion of undercoating.

5 MODULE INTERIOR

All interior hangers, supports, fasteners, latches, and hinges shall be of a near-flush-type design. The patient compartment shall be free of sharp projections. Exposed edges and corners shall be broken with a radius or protected with 1" high-density foam covered with heavy-duty vinyl color-matched upholstery.

5.01 UPPER WALL COVERING

The upper module interior walls shall consist of light gray, heavy-grade, 0.125" ABS vinyl panels attached to the wall structure with a closed-cell polyethylene foam tape coated on both sides with a permanent acrylic-based pressure-sensitive adhesive.

5.02 HEADLINER

The headliner shall be 0.125" aluminum which is sanded, etched, washed, primed, and coated with textured polyurea thermoplastic elastomer, and painted white with light gray splatter paint (G2-33631 Alt 2 / GLV-51748).

5.03 HEAD PADS/CUSHIONS

Head pads located over all module access openings and seat backs shall be 0.5" or 1" foam covered with heavy-duty seamless vinyl upholstery.
Seat cushions shall be 3" foam covered with heavy-duty seamless vinyl upholstery (Section 3.08 related).

5.04 LOWER WALL COVERING

The squad bench sides and lower portion of the streetside wall shall be nonporous, color-coordinated material.

5.05 GRAB RAILS

Two 90"L x 1.250"D stainless steel grab rails with three support brackets shall be securely mounted to roof structural framing. The rails shall be mounted 6" on either side of centerline.

5.06 ACCESS DOOR GRAB RAILS

Each module access door shall have a 1.250"D L-style stainless steel grab handle which may also be used as an entry assist rail.

5.07X IV HANGERS

Two Perko-style chrome IV hooks with clips shall be installed on white 0.5" UHMW spacers: one at the aft end of Cabinet #1 and one at the forward end of Cabinet #2.

5.08C COT MOUNT

A *customer-supplied* Stryker #6390-700-001 floor plate shall be installed by BNW, to position the aft end of the cot 11" forward of the rear doors (Section 8.02 related).

A 20-amp breaker and 10ga. 12VDC power and ground prewire shall be installed, running from the electrical cabinet to the frame rail, terminating in a 36" capped and coiled pigtail forward of the rear axle.

To allow use of non-Power-LOAD, X-frame cots with the Power-LOAD system, a floor plate with plastic cover shall be provided and installed for mounting a *customer-supplied-and-installed* rear rail clamp.

No safety hook shall be installed in the floor plate.

5.10X ATTENDANT SEAT

A Wise #1615 rear-facing high-back bucket seat with a built-in child safety seat and upholstered with heavy grade vinyl, dove gray, shall be located at the head of the cot position and provide easy access to all action wall controls and outlets, and to the patient. Seat shall swivel, have a **yellow** 2-point automatic locking retractor seatbelt, and be securely anchored on a #1934 swivel base.

Note: Attendant seatback shall not make contact with Cabinet #6.

5.11A OXYGEN SYSTEM

The entire oxygen system to be assembled with certified oxygen hose (1000 PSI burst strength) with brass fittings, pressure tested, and certified. The electric oxygen system shall be controlled through an electric solenoid with manual bypass, have an LED content display, and audible low-pressure alarm. A 50 PSI regulator shall be included, and one oxygen tank wrench shall be attached to the Compartment #1 wall with hook-and-loop tape.

Three Ohio-type outlets shall be installed:

- one in Cabinet #4
- one on the curbside wall above the squad bench
- one in ceiling above the primary patient

A switch labeled "ELECT. 02" shall be installed in the Action Area attendant panel to turn on/off the electric oxygen system.

5.12 SUCTION PUMP

The unit shall have an electric pump as the source of suction, installed in the HVAC closeout, and vented to the outside of the vehicle under the module body. The pump shall be controlled by a switch labeled "SUCTION" on the attendant panel in Action Area #5.

5.13 SUCTION COLLECTOR

A flush mount SSCOR #22000 suction regulator and #22002 stainless-steel wall mount bracket with a 1200cc Bemis disposable canister shall be installed in the Action Area #5.

5.14X SEATBELTS

Yellow DOT-compliant seatbelts shall be installed at each seating position. Three sets of two-point automatic locking retractor seatbelts shall be installed on the squad bench with three additional lower seatbelt buckle ends **with stainless steel washers** and be set up for use with sit-up or stretcher patients. The attendant seat and CPR seat shall each have a single **yellow** two-point automatic locking retractor seatbelt.

5.15 FLUID BARRIER

A formed stainless-steel floor mounted fluid barrier which is 0.75" high shall be provided between module and cab. This barrier shall prevent fluids from running from the module floor into cab area.

5.16 INSULATION

The module side, ends, roof, doors, and floor shall be insulated to enhance the interior environment and to restrict heat, cold, and external noise from entering the module. The insulation shall be a non-settling foam plank material of 1.5", or 0.75" thickness depending upon location and available space.

Roof, doors, wall, and floor insulation shall be polyisocyanurate.

A 3" wide, 60-mil, closed cell polyethylene foam tape shall be used as a thermal break on the inside surface of the roof and wall tubes.

A thermal coating shall be applied to the underside of the module (Section 4.33 related).

5.17X MODULE CLIMATE CONTROL SYSTEM

The module HVAC system shall incorporate an ACC #22096 combination heating/air conditioning unit with 43,000 BTU/hr. heating and 40,000 BTU/hr. cooling capacity. The unit shall have a 580 CFM fan and controls independent of the cab system. A 12VDC booster pump shall be installed to optimize the heating capacity in the module. A return air path with open area equal to at least twice the blower outlet area shall be incorporated into the evaporator closeout.

A 67,000 BTU/hr. auxiliary dual fan condenser shall be added to the front of the module, with a housing painted to match the module.

A TM-16 auxiliary compressor and bracket shall be added to the OEM engine (Section 1.02.36 related).

The module system shall be controllable by a digital thermostat located on the streetside wall in the Action Area #5.

5.18 EXTERNAL AIR INTAKE

To supplement heated or cooled air with fresh air, an external air intake shall be provided on the side of the module. The intake shall consist of an opening protected by an aluminum vent cover. The interior chamber of the intake shall be made of aluminum and be formed to prevent the collection of moisture. Washable filter media shall be installed in the intake chamber.

5.19 AIR RETURN

A return air path with an open area equal to at least twice the blower outlet area shall be incorporated into the evaporator closeout.

5.20 EXHAUST VENT

A motor-powered exhaust vent with a chrome Perko cover shall be located in the streetside rear corner of the module.

A switch labeled "VENT" shall be installed in the Action Area attendant panel to turn on/off the exhaust vent (Section 6.13 related).

5.23 WHITE MARKER BOARD

A steel white marker board shall be installed on the wall just inside the rear, curbside passage door (Section 3.07 related).

5.24X CLOCK

A 9" sweep second hand clock shall be installed on the forward facing wall of the curbside squad bench #10. Clock is powered by one AA alkaline battery.

An atomic-controlled clock shall be installed on the electrical cabinet door. The clock shall be LCD display and show hours (12/24 selectable), minutes, seconds, date, day, and temperature. Clock is powered by two AA alkaline batteries.

5.26X SHARPS AND WASTE CONTAINERS

One Sage #85131 5 qt. sharps container with a mailbox lid and a stainless-steel wall-mount bracket shall be installed on the wall of Action Area #5.

One Becton Dickinson 6.9 qt. sharps container and one 7 qt. waste container shall be installed at the forward end of the curbside squad bench, with a hinged painted aluminum door with a finger hole and drop-in sharps hole. Door shall be hinged towards wall, with a magnet on the wall and steel button on the cover to hold it open against the wall.

One 7 qt. waste basket with bracket shall be installed on the rear curbside passage door with an aluminum stand-off bracket, painted white with gray splatter.



5.29 OXYGEN WINDOW

A 6" x 11" clear polycarbonate oxygen window with knob and self-closing hinges shall be installed at the forward end of the Action Area.

5.32 GLOVE BUTLER

Three 6.5" bolt-on white individual glove butlers shall be installed;

- One on the rear curbside passage doorskin
- One on the curbside wall above Squad Bench #10, above the waste container
- One at customer inspection (Section 8.04 related)

5.34X BENCH NET

A net system installed at the forward end of the curbside squad bench. The net system shall be constructed of **yellow** 2" webbing and shall be easily detached for cleaning or replacement.

5.35 INTERIOR OXYGEN CYLINDER STORAGE

Four Zico #QR-D-2/H strapless D-cylinder brackets shall be installed in the curbside squad bench storage area, two middle and two aft. The forward brackets shall face aft, and the aft brackets shall face forward.

5.36X MEDICATION SAFE

A 12VDC prewire, wired battery hot and one CAT6 cable will be installed from radio Cabinet #6 to a **customer-supplied** Knox MedVault 2.5 in Cabinet #13, with 12" service loops (Section 8.02 related). Two 6' service loops shall be provided in radio Cabinet #6.

6 ELECTRICAL

All added body and chassis electrical equipment shall be served by circuits separate and distinct from the vehicle chassis circuits. All vehicle wiring shall be copper and conform to all SAE J1128 requirements. The wiring shall be colored, numbered, or function coded every 3" for permanent identification and correspond with the vehicle schematics. Solderless, insulated connectors shall be used. Slotted Panduit-style wiring duct shall be used in power component module to ensure air circulation throughout power component wiring. The wiring shall be routed in conduit or looms and wiring shall be secured to the underbody or frame with insulated metal cable straps. All power distribution cabling shall be covered with a protective split loom. Where wiring passes over the exhaust, a heat shield shall be installed. The power component module shall be equipped with positive locking plugs to provide easy disconnect for remount or repair of body. All wiring devices, switches, outlets, etc., except circuit breakers, shall be rated to carry 125% of the maximum ampere load for which the circuit is protected.

The vehicle electrical system shall be tested and certified to AMD 005 requirements.

6.01 ELECTRICAL LOAD DEVICES

Body electrical wiring shall utilize overload protective devices of the automotive-type circuit breaker. In addition, one single pole, 20-amp circuit breaker shall be provided for future use. The circuit breakers, relays, and other electrical items shall be located in included as part of the enclosed electrical component module located in Cabinet #12.

6.02 VOLTMETER/AMMETER

A single display voltmeter/ammeter shall be installed on the side of the driver's console, facing the driver, which simultaneously displays voltage and alternator current when the ignition is on. Display flashes to indicate low voltage.

6.04 IGNITION CONTROL

Chassis electrical circuits shall be controlled by the ignition switch as provided by the OEM chassis manufacturer. The auxiliary chassis-related functions shall be powered by one 100-amp continuous duty solenoid, triggered by the chassis ignition.

6.05A MODULE POWER

Module power shall be controlled by a driver's console-mounted switch labeled "MODULE DISC." which activates an InPower #SSC42-275 solid state contactor (Section 6.09 related). An ignition interlock shall disconnect module power 15-20 minutes after the vehicle's ignition is turned off. The interlock shall also allow module power to be reactivated independently for 15-20 minutes by cycling the ignition switch.

6.06 WIRING ACCESS

All cabinets and compartments shall have removable panels as needed to access wiring harnesses and hoses.

6.07 BACK-UP ALARM

An SAE J994-compliant self-adjusting back-up alarm shall be installed, with a momentary disable switch labeled "BACK-UP DISABLE" in the driver's console (Section 6.09 related). If disabled while in reverse, the back-up alarm shall automatically reset when shifted out of reverse.

6.08 SERVICE LOOP

A 6" service loop of wire or harness shall be provided at all electrical components, terminals, and connection points.

6.09 DRIVER'S CONSOLE/MAP BOX

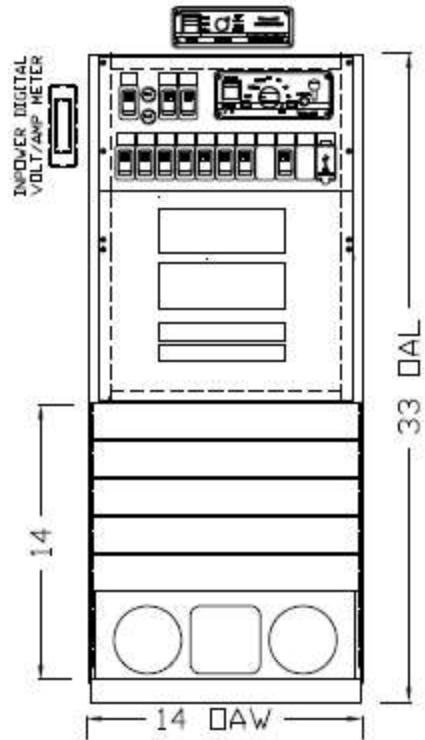
A driver's console made of black-powder-coated formed aluminum shall be installed between the seats. It shall have a switch panel with the following layout, a custom switch plate, a drop-in cup holder and a map holder with six mill-finished aluminum dividers. A map light shall be installed in the upper right corner (Section 6.11 related).

Traffic advisor control head with bracket (Section 6.30.14 related)

1.	Passage Compt. D/O Light	2.	3.	
Emerg. Master		Module Disc.	Back-up Disable	Siren

4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.
Lightbar Red	Lightbar White	Flasher	Front Scene	Left Scene	Right Scene	Rear Scene	Blank	Battery Boost	Blank	USB A/C

Cut-out for <i>customer-supplied-and-installed</i> Troy face plate FP-KENTK790MR with <i>customer-supplied-and-installed</i> Kenwood TK-790 remote head
Cut-out for <i>customer-supplied-and-installed</i> Troy face plate FP-MXTL2500 with <i>customer-supplied-and-installed</i> Motorola APX6500 remote head
Cut-out for <i>customer-supplied-and-installed</i> Troy face plate FP-M9005 with <i>customer-supplied-and-installed</i> Motorola Dual Dek-head
Cut-out for <i>customer-supplied-and-installed</i> Troy face plate FP-M9005 with <i>customer-supplied-and-installed</i> Motorola Dual Dek-head



6.10 SWITCHES

Switches installed in the driver's console and attendant panel shall be rocker-type and permanently marked by function.

6.12C DOOR AJAR WARNING LIGHTS

A flashing LED light with a red lens shall warn the driver of an open module passage door, and a flashing LED light with an amber lens shall warn the driver of an open module compartment door. The lights shall flash and buzzer shall sound only if the vehicle is out of park. The lights shall be installed on the driver's console (Section 6.09 related).

6.13X ATTENDANT CONTROL PANEL

A six-switch attendant control panel shall be located in the Streetside Action Area (#5) closeout with the following switch layout:

1.	2.	3.	4.	5.	6.
Dome (Hi-Off-Lo)	Dome (Hi-Off-Lo)	Suction	Vent	Elect. 02	Attendant Light

A digital thermostat shall be located adjacent to the attendant control panel, on the closeout above the Action Area.

A two-position panel shall be installed on the Action Area (#5) wall with the following layout:

1.	2.
USB A/C	USB A/C

6.14 CABINET LIGHTING

The wall area below Cabinet #1 shall be lighted utilizing under-cabinet LED strip lighting with an ON/OFF switch labeled "ATTENDANT LIGHT" in the attendant panel Section 6.13 related).

6.16X MODULE INTERIOR LIGHTING

Shall be designed to keep vehicle height to a minimum without interfering with the structural integrity of the roof. Module interior lighting shall consist of eight dual intensity Whelen **#80C00EZR** LED dual intensity lights - one bank of four lights shall be positioned toward streetside and four lights toward curbside. There shall be a switch for each bank of lights on the action wall for "DOME HI-OFF-LO".

The curbside bank of lights shall be automatically activated when the rear or side doors are opened or by a momentary rocker switch labeled "DOME TIMER" mounted on the wall near the curbside passage door, which shall activate a battery hot timer. Pressing the switch once shall initiate 15-minute timed operation of the lights. Pressing the switch again shall cancel the timed operation.

6.17X BASIC EXTERIOR LIGHTING

Basic lighting shall include headlights, parking lights, directional signal lights, tail and stop lights, license plate light, back-up lights, hazard lights, identification lights, clearance lights, and side marker lights as required by FMVSS 108.

Module identification lights, clearance lights, and side marker lights, unless included on a lightbar, shall be Truck-Lite LED Model 36.

Rear and side reflex reflectors shall be installed in accordance with FMVSS 108 requirements.

Rear stop/tail, turn and back-up lights shall be Truck-Lite Model 45 series LED lights, installed in the rear kick panel, pattern from outboard in: red stop/tail light, amber turn signal, and clear back-up light. The back-up lights shall activate automatically when the vehicle is placed in reverse.

Two Whelen #704T Amber Lens Amber LED turn signals with chrome flanges shall be installed on the rear of the module above the kick panel and below the mid-height M9 flashers, one each on each side of the vehicle. Lights shall be programmed with a sequential pattern.

6.18A COMMUNICATIONS EQUIPMENT

Item #1

Description: One 10 amp circuit, wired battery hot, for future *customer-supplied-and-installed* equipment.

Location: From electrical panel to Cabinet #6

Additional Instructions: Pre-wiring to be capped and labeled at both locations. Wiring shall be installed at the power component module behind the Panduit cover.

6.19X ANTENNA MOUNTS AND CABLES

Five NMO universal antenna mounts with KHFD cables and Larsen HyPer master universal connectors and mini-UHF adapters with cables that shall be installed on the module roof, above the four-center dome light openings. Antenna base access shall be through the dome light openings, and the cables shall terminate in Cabinet #6.

6.19.01 ANTENNA

Two *customer-supplied* antennas shall be installed with the following layout (Section 8.02 related):



1. One *customer-supplied* Panorama Great White 5-in-1 data antenna.
2. One *customer-supplied* Panorama GPS antenna.

6.20 BLOCK HEATER

A block heater, with circuit breaker in the 120VAC Power Box, shall be wired to the 120VAC shorepower system (Section 1.01.02 related).

6.21X 120VAC/SHORELINE CIRCUIT BOX

Utility power shall be furnished from 120VAC shorepower via two Kussmaul 20-amp Super Auto-Eject amp plugs with red covers on stainless steel plates with green indicator lights: one located on the streetside, forward of the vehicle, and one on the rear of the module, streetside. Shoreline power to be distributed via a formed aluminum power box in the forward wall of Compartment #2. 120VAC power box shall have an easily removable cover.

Circuit breakers shall be installed for overcurrent protection and circuit isolation:

- Inverter (20 Amp)
- Block Heater (15 Amp)
- Interior Receptacles (15 Amp)

All exposed receptacles outside of the power box shall be ground fault circuit interrupting (GFCI) and shall have a power on indicating light.

Three interior 120VAC duplex GFCI receptacles shall be mounted:

- One in Open Storage #4
- One in Action Area (#5)
- One in Cabinet #13

6.22 BATTERY GROUNDS

In addition to OEM chassis grounds, the following ground circuits shall be added to reduce RF interference:

- A minimum 4ga. ground cable from the power component panel to the chassis frame.
- Two braided ground straps from the module body to the chassis frame.

6.23X BATTERY CHARGER

A 60-amp battery charger shall be provided as part of the Samlex EVO-1212F 1200-watt inverter system. (Section 6.31 related)

6.24X BATTERY MODIFICATIONS

The two OEM chassis batteries shall be removed and shipped loose (Section 8.01 related). Three aftermarket Group 31 Odyssey batteries shall be installed in the curbside forward exterior battery drawer.

An Egis Mobile Electric #8710-1300B XD Series 12 VDC 500-amp programmable automatic charging relay with manual control shall be installed to separate one battery for chassis use only. The integrator shall connect the two battery banks when charging voltage is present. A momentary switch labeled "BATTERY BOOST" shall be installed on the driver's console (Section 6.09 related). Pressing the switch shall connect the battery banks for chassis starting purposes.

Radio equipment shall be tied to the module batteries.

6.25 12VDC RECEPTACLES

Four Kussmaul combination USB-A/USB-C switch-insert-style charging ports shall be installed:

- Two in Action Area #5 in a two-switch panel
- One in Cabinet #13
- One on the driver's console

All 12 VDC power point receptacles, USB charge ports, 12 VDC charging circuits, electric air compressors, powered cots, and cool cabinets, if present, shall be powered from a 12 VDC auxiliary bus. An InPower LVD20-100-SPC540 low voltage disconnect switch shall deliver power to the auxiliary bus only when the supply voltage to the vehicle batteries is at or above 13.0 VDC.

6.26X COMPARTMENT LIGHTING

LED strip lighting shall be installed in each outside compartment, except Compartment #5, and shall be activated by the respective compartment door switch. Compartment #2 shall have two lights.

6.27 EXTERIOR DOOR SWITCHES

Shall be 1/2" mechanical door switches.

6.30 EMERGENCY WARNING SYSTEMS

6.30.01 FRONT LIGHTBAR

A 94" Whelen 4500 Plus Series LED lightbar shall be recessed on the front of the module, pattern curbside to streetside:

Location	Lens Color	Model	Light Color	Type	Light	Flash Pattern	Additional
Curbside	Clear	700 Series	Red	LED	Flasher	Signal Alert	
	Clear	700 Series	Red	LED	Flasher	Signal Alert	
	Clear	700 Series	Clear	LED	Flasher	Signal Alert	
	Clear	700 Series	Red	LED	Flasher	Steady	
Center	Clear	Blank					
Streetside	Clear	700 Series	Red	LED	Flasher	Steady	
	Clear	700 Series	Clear	LED	Flasher	Signal Alert	
	Clear	700 Series	Red	LED	Flasher	Signal Alert	
	Clear	700 Series	Red	LED	Flasher	Signal Alert	

The lightbar shall be recess-mounted with the horizontal plane of the roof, and protrude no more than 1/2" beyond the vertical plane of the front and sides of the module. The LED ICC clearance and identification lamps shall be an integral part of the lightbar.

The red flashers shall be controlled by the "LIGHTBAR RED" switch, and the clear flashers shall be controlled by the "LIGHTBAR WHITE" switch, with both switches on the driver's console (Section 6.09 related).

6.30.02 REAR LIGHTBAR

A 94" Whelen 4500 Plus Series LED lightbar shall be recessed on the rear of the module, pattern curbside to streetside:

Location	Lens Color	Model	Light Color	Type	Light	Flash Pattern	Additional
Curbside	Clear	700 Series	Red	LED	Flasher	Signal Alert	
	Clear	700 Series	Amber	LED	Flasher	Signal Alert	
	Clear	700 Series	Red	LED	Flasher	Signal Alert	
	Clear	Triple LR11	Clear	LED	Scene Light	None	(Section 6.30.04 Related)
Center	Clear	704BTT	Red	LED	BTT		Third Brake Light
Streetside	Clear	Triple LR11	Clear	LED	Scene Light	None	(Section 6.30.04 Related)
	Clear	700 Series	Red	LED	Flasher	Signal Alert	
	Clear	700 Series	Amber	LED	Flasher	Signal Alert	
	Clear	700 Series	Red	LED	Flasher	Signal Alert	

The lightbar shall be recess-mounted with the horizontal plane of the roof, and protrude no more than 1/2" beyond the vertical plane of the rear and sides of the module. The bar shall include an LED brake/clearance light over the center lights. The LED clearance lights shall be an integral part of the lightbar.

The rear lightbar shall be controlled by the "LIGHTBAR RED" switch located on the driver's console (Section 6.09 related).

6.30.03X FLASHERS

Four Whelen M9 Series #M9R Red Lens Red Super-LED flashers with chrome flanges shall be installed two each on the streetside and curbside of the module in upper corners.

Two Whelen M9 Series #M9A Amber Lens Amber Super-LED flashers with chrome flanges shall be mounted on the rear of the vehicle at window height.

Four Whelen 700 Series #70R02FRR Red lens Red Super-LED flashers with chrome flanges shall be installed; two on the rear of the module below the turn arrows, and one each on streetside rear and curbside rear at mid-height on Compartment #3 and 4 doors.

Two Whelen PSD02FCR Clear Lens Red/White Duo Super-LED Strip Lite flashers with chrome flanges, installed on the front of the auxiliary condenser bracket on the front of the module (Section 5.17X related). White portion of the condenser flashers shall be controlled with the "LIGHTBAR WHITE" switch on the driver's console. (Section 6.09 related)

Flashers shall be controlled by the "FLASHER" switch on the driver's console (Section 6.09 related).

6.30.04X SCENELIGHTS

Four Whelen M9 Series #M9LZC LED scenelights with chrome flanges shall be installed - two each on the curbside and streetside of the module in the upper corners, inboard of the flashers. The curbside passage door shall activate the curbside scenelights. The scenelights shall also be controlled by the respective switches on the driver's console (Section 6.09 related).

Two Whelen LR-11 LED scenelights shall be included in the rear lightbar. The rear scenelights shall be controlled by the "REAR SCENE" switch on the driver's console (Section 6.09 related), and shall activate when the rear curbside passage door is opened or when the vehicle is placed in reverse.

A Firetech 65"L Model FT-B-65B LED brow scene light bar with end floods, center floods and center spot and bracket shall be installed on the front of the module between the lightbar and condenser bracket. Lightbar shall be controlled by the "FRONT SCENE" switch on the driver's console. Bolts shall not protrude more than ¼" below bar mount.

Two Whelen Model #NP6BW LED alley lights shall be installed: one on each side of the condenser bracket, at a 45-degree angle (Section 5.17X related). Lights shall be controlled by the "FRONT SCENE" switch on the driver's console.

6.30.06X INTERSECTION LIGHTS

Four Whelen ION Surface Mount Series #IONSMCR Clear Lens Red LED Super-LED flashers with chrome housings shall be installed, one on each cab fender and one above each module wheel well.

Install four Whelen Strip-Lite Plus Series #PSR01FCR with chrome flanges, in the rub rail channels, two on each side of the module: one forward and one aft of the wheel well on both sides (Section 4.02 related).

Lights shall be controlled by the "FLASHER" switch on the driver's console (Section 6.09 related).

6.30.08X GRILLE LIGHTS

Two Whelen #TLI2D Clear lens Red/Clear LED Super-LED flashers with chrome flanges shall be installed on the OEM grille.

Lights shall be controlled by the "LIGHTBAR WHITE" switch on the driver's console (Section 6.09 related).

6.30.09X SIREN

A Whelen #295HFSC9, Title 13 compliant 200-watt siren shall be installed in the driver's console (Section 6.09 related). Standard features shall include radio, horn, manual, wail, yelp, and phaser. Siren to be California Compliant. The siren's hands-free function shall operate through the OEM horn ring circuit when the sirens rotary selector is in the HF position and the Emergency Master switch is on.

Dip switch shall be in position #3.

6.30.10B SIREN SPEAKERS

A Cast Products Thru-the-Bumper mount system with two 100-watt cast aluminum speakers shall be installed in the OEM chassis bumper.

6.30.14X TRAFFIC ADVISOR

A Whelen #TCRHS5 with #TCRLA tracer light traffic advisor shall be installed on the rear of the module, above the rear passage doors. A Whelen #TADCTL1 traffic advisor control head with bracket shall be installed at the front of the driver's console (Section 6.09 related). The traffic advisor shall be tied to the emergency master switch and have a random pattern during emergency response mode.

6.31X INVERTER

A Samlex EVO-1212F 1200W inverter with a 60-amp battery charger shall be installed in Compartment #2, upper forward. **For passive ventilation via interior air conditioning, the back wall of the compartment shall have two sections of precision punched ventilation holes.** A remote inverter status panel shall be installed in the action area. The inverter shall be configured to turn on and off with ignition.

6.40 ELECTRIC DOOR LOCKS

Electric door locks shall be installed on all compartment and module passage doors. Two lock/unlock switches shall be provided in the module: one located on the rear curbside passage door, and one located on the curbside passage door. The door locks for the cab and module shall be interconnected, to allow all doors to be locked/unlocked from either the cab or module.

A hidden unlock switch shall be installed under the license plate on the rear of the module (Section 4.16 related).

6.45X ADDITIONAL LIGHTING

Two Streamlight #SL-20 LED flashlights with chargers shall be installed, one on each side of the walk-thru, facing the cab, wired to the low voltage disconnect.

6.46E AUDIO/VIDEO/RECORDING EQUIPMENT

Item #1

Description: A Rostra back-up camera, two Rostra #250-8160-BSC blind spot cameras, and a 7.3" mirror monitor shall be installed.

Location: Back-up camera centered above the rear doors, two blind-spot cameras on chassis fenders, rear view mirror monitor on the windshield, upper center.

Additional Instructions: The back-up camera shall automatically display on the 7.3" monitor when the vehicle is placed in reverse, and the respective blind spot camera shall automatically display on the monitor when the left or right turn signal is activated.

6.47 BACK-UP SENSORS

A Rosco #BSSK1001 back-up sensor kit shall be installed, including four black flush-mount sensors in the rear bumper and a wireless transmitter in the rear wall of the module. A display unit shall be installed on the cab dash, near the A-pillar on the left side.

6.48X TRAFFIC SIGNAL PREEMPTION

A 2100 High priority GPS preemption upgrade kit shall be installed in the Electrical Cabinet #12 to act as a stand-alone unit.

The preemption upgrade kit shall be controlled by the "EMERG. MASTER" switch on the driver's console and shall disable when the vehicle is shifted into park (Section 6.09 related).

7 SUPPORTING DOCUMENTATION

7.01 OWNERS MANUAL

Shall be provided with the vehicle and shall include the following items:

1. Braun Northwest Contact Information
2. Warranties
3. Service and Operations Manual
4. Electrical Drawings
5. Parts list
6. Specifications and Drawings
7. Certifications
 - a. AMD 005 Low Voltage Electrical System Test
 - b. AMD 015 Ambulance Main Medical Gas System Test
 - c. AMD 021 Aspirator System Test
8. Product Manuals
9. Second OEM chassis key

7.03 LABELS

The following labels shall be provided:

Label Description	Location
Braun Northwest Paint Label	Inside of the electrical cabinet door
FMVSS Certification Label	Adjacent to the chassis OEM stickers, typically on the B pillar (or inside of the electrical cabinet door if there is not room on the B pillar)
Tire and Loading Information Label (for under 10k GVWR only)	
Must be Seated and Belted	Visible from each seating position
No Smoking/Oxygen Equipped	One each in cab and patient compt.
Overall Height and GVWR	Visible to the driver while seated
Medical Gas Test Certification	Near the medical gas cylinder
Shorepower Inlet Rating	Near the shorepower inlet
Line Voltage Receptacle Rating	At each receptacle

8 MISCELLANEOUS EQUIPMENT

8.01 LOOSE EQUIPMENT

The following equipment shall be shipped loose with the vehicle:

1. Touch up paint, one bottle of each:
 - Race Red (G4-100871777)
 - White G2-33631 Alt 2
 - Gray GLV-51748
2. One 20-amp cord end for shoreline
3. Five antenna coax ends
4. One spare tire & wheel
5. Two J236 compartment Keys
6. Programming remote for rearview mirror
7. Two OEM batteries
8. Four red acrylic placards

8.02 CUSTOMER SUPPLIED EQUIPMENT (PER VEHICLE)

The customer shall provide the following equipment and have delivered to Braun Northwest within 30 days of the preconstruction meeting:

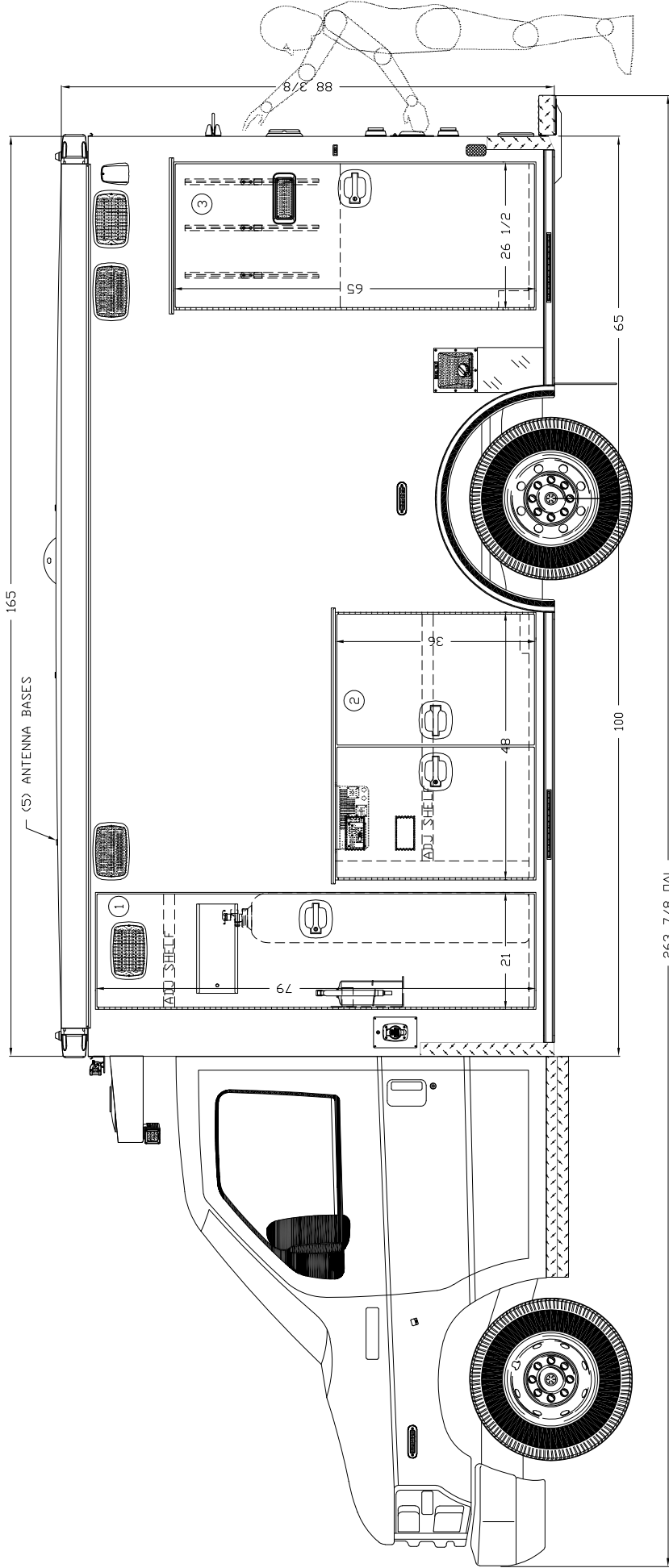
1. Two dept. decals
2. One Panorama Great White 5-in-1 date antenna
3. One Panorama GPS antenna
4. One Stryker #6390-700-001 floor plate
5. Knox MedVault 2.5

8.04 EQUIPMENT INSTALLED AT CUSTOMER INSPECTION

The following items shall be installed at customer's final inspection:

- One bolt-on glove butler

* * * * *

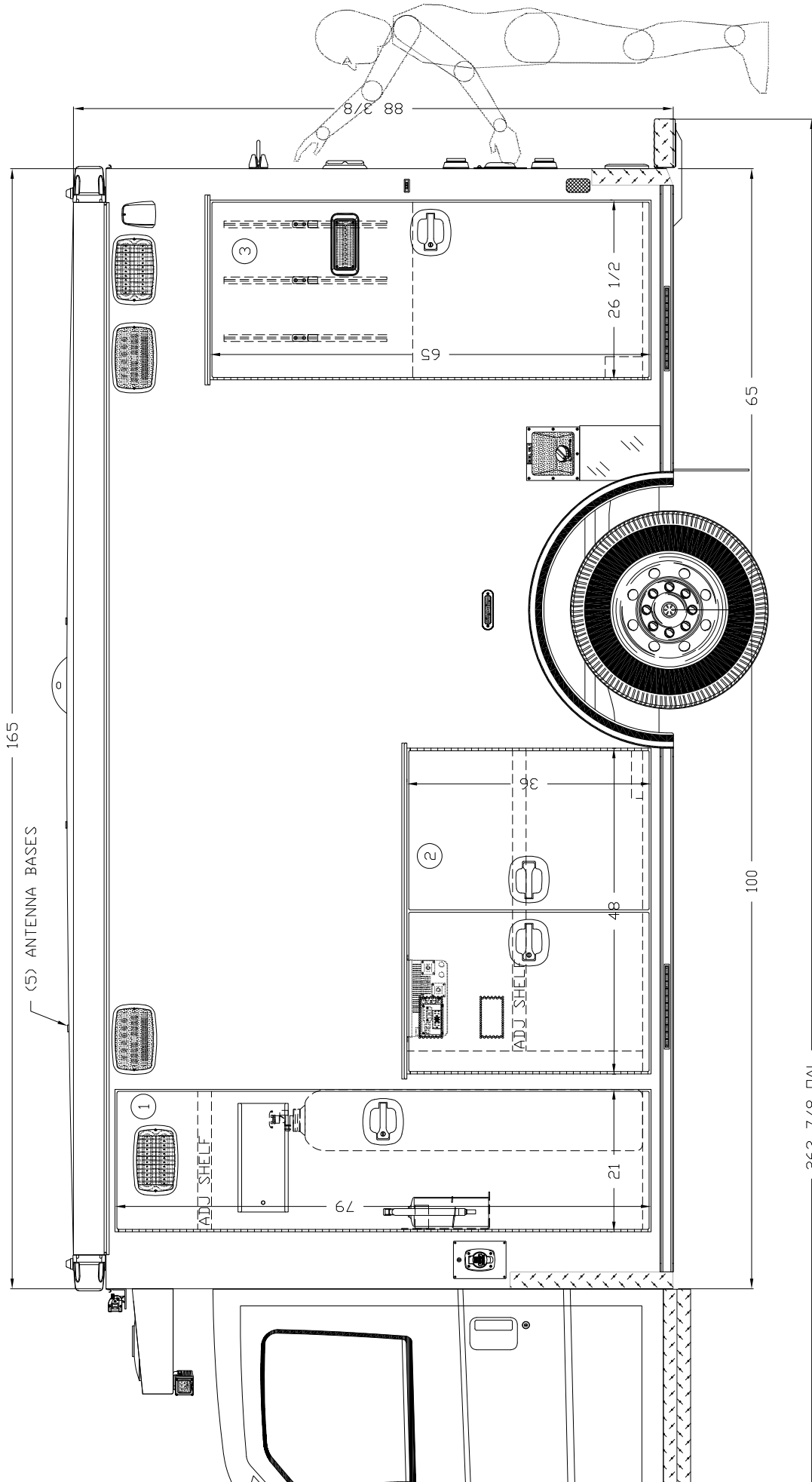


263 7/8 DAL

Braun Northwest, Inc.

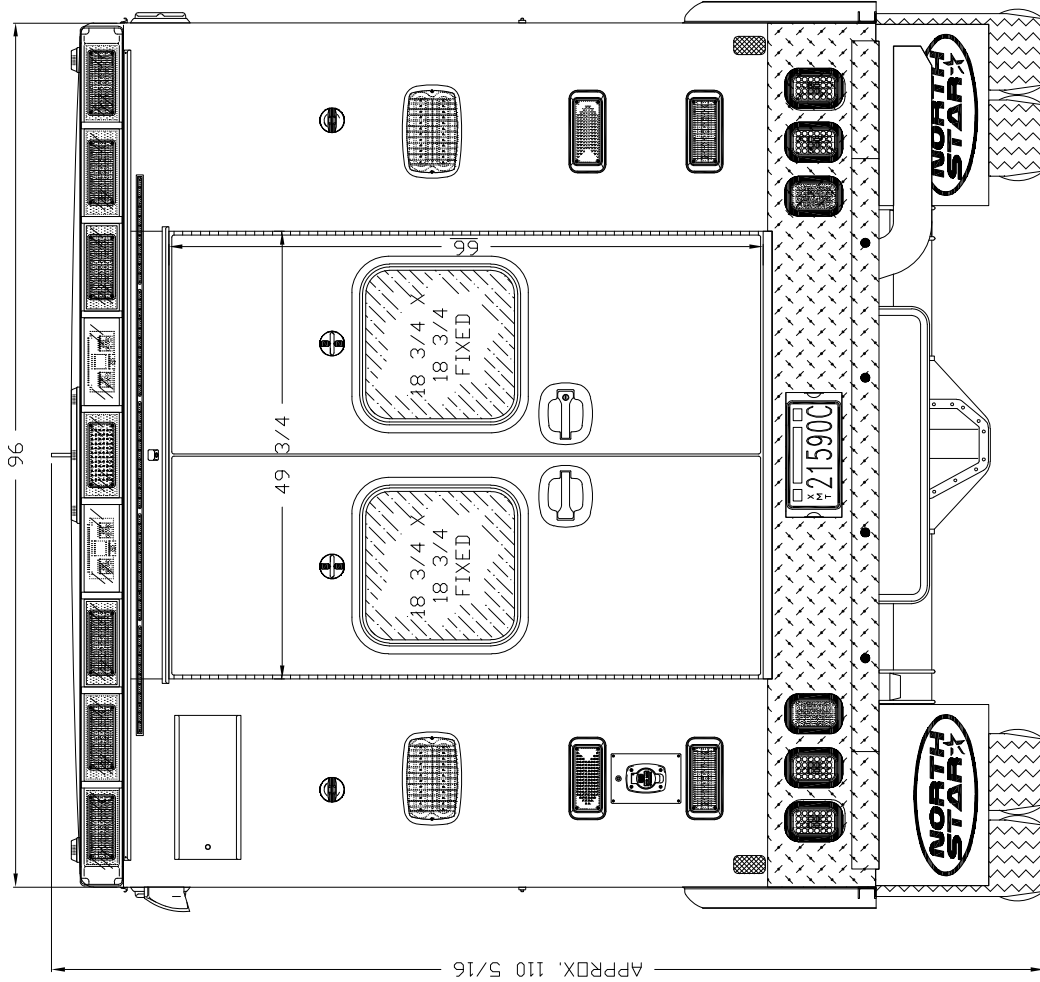
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Client	CITY OF SACRAMENTO	
Date	08/08/2024	Drawing By R.D.D.

TITLE: EXTERIOR S/S VIEW



<h2 style="text-align: center;">Braun Northwest, Inc.</h2>		Department	SALES	Rev
		Dwg. Name	40401	
Client		CITY OF SACRAMENTO		
Date	08/08/2024	Drawing By	R.D.D.	

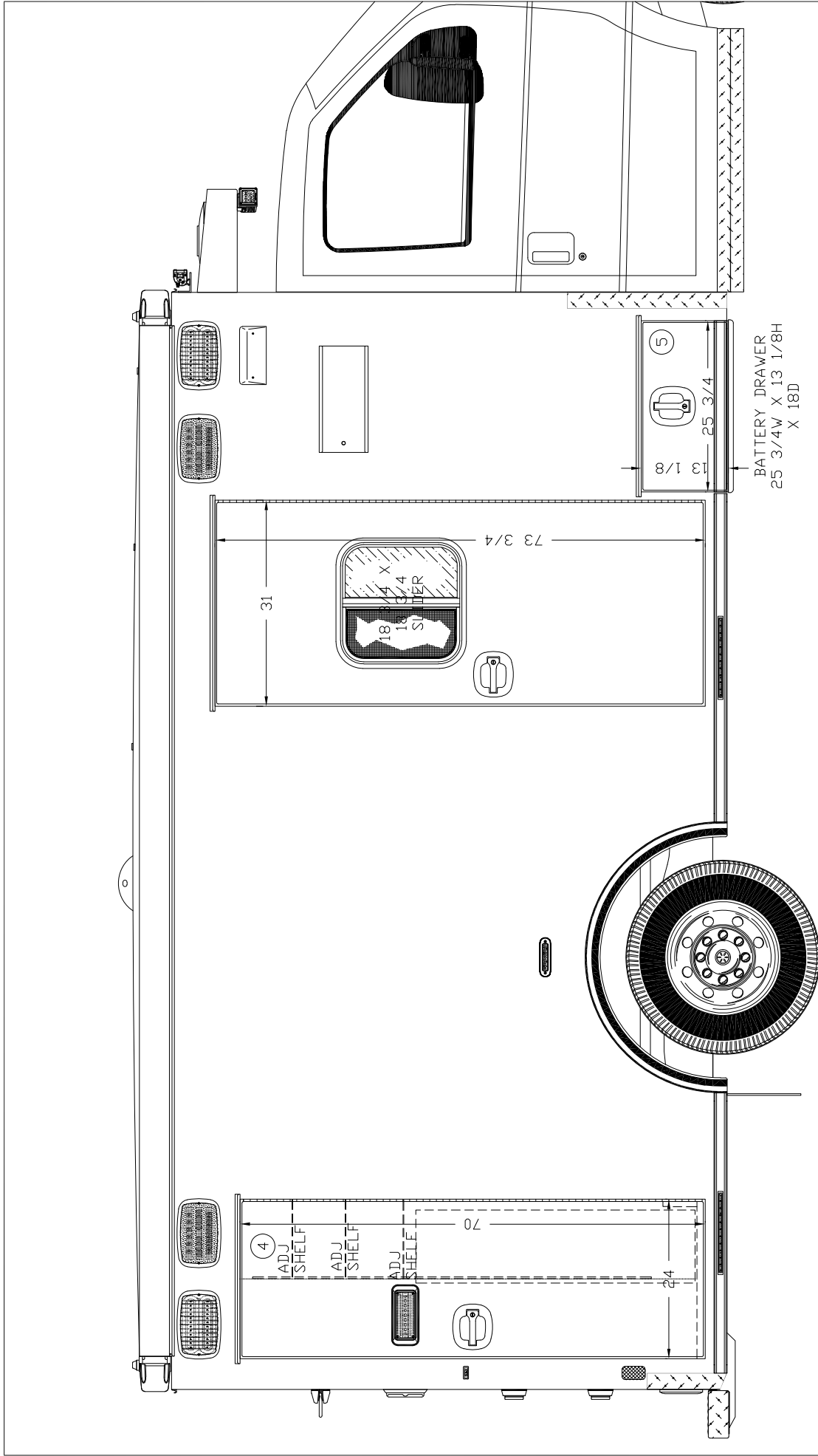
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Braun Northwest, Inc.

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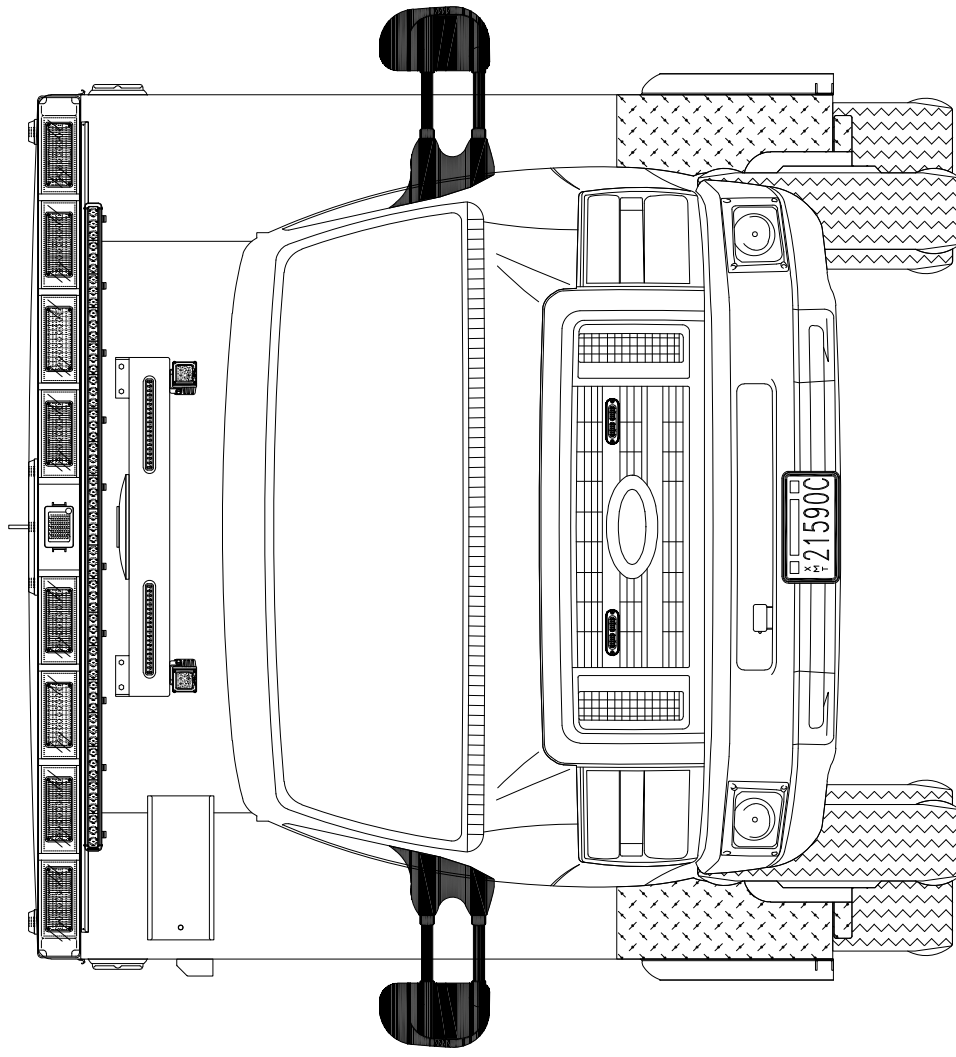
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Braun Northwest, Inc.

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Client	CITY OF SACRAMENTO	
Date	08/08/2024	Drawing By R.D.D.

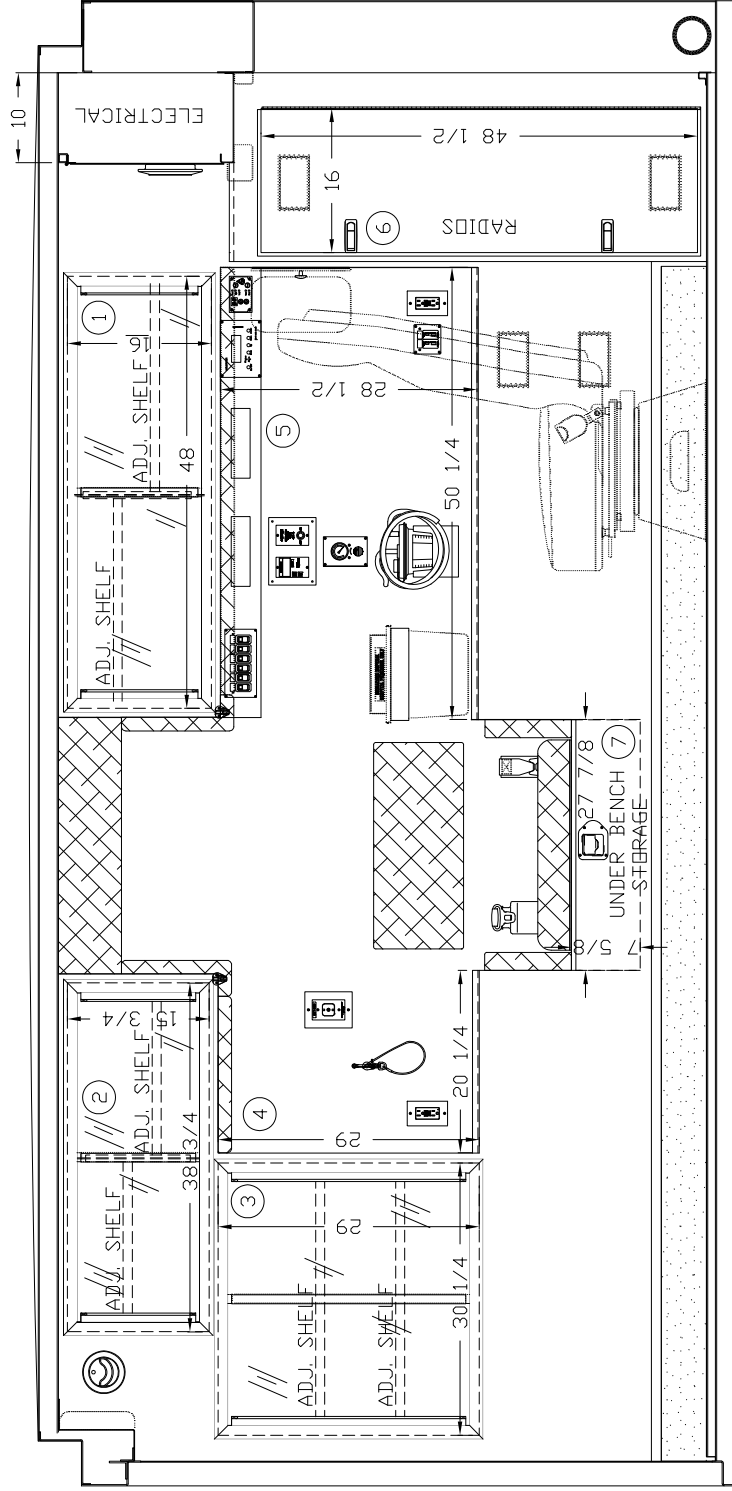
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Braun Northwest, Inc.

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Client	CITY OF SACRAMENTO	
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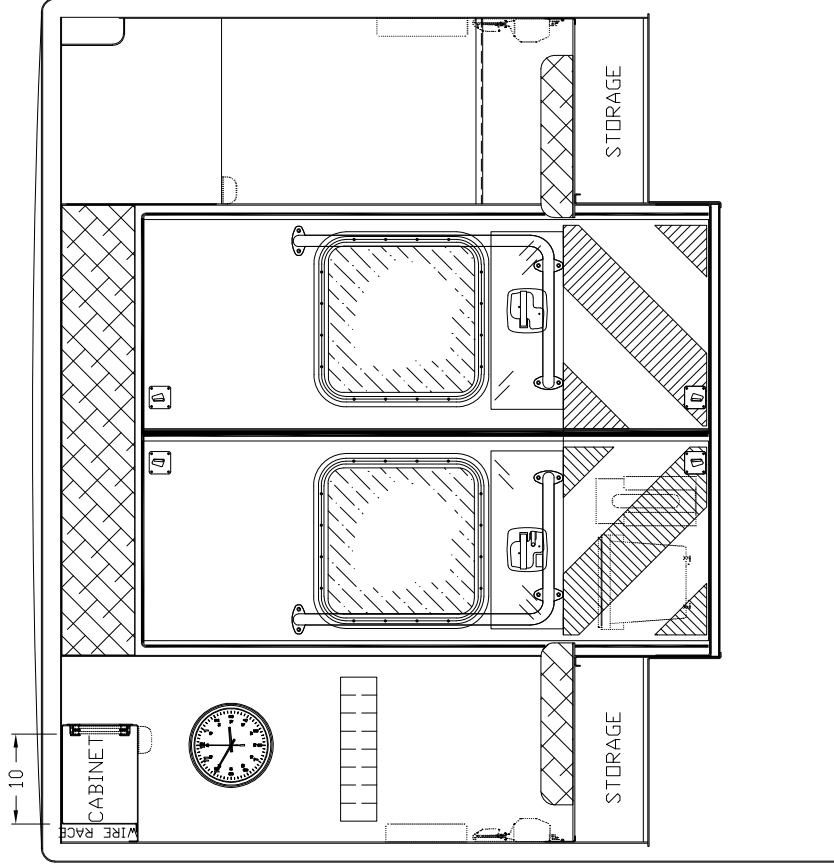
TITLE: EXTERIOR FRONT VIEW



Braun Northwest, Inc.

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Client	CITY OF SACRAMENTO	
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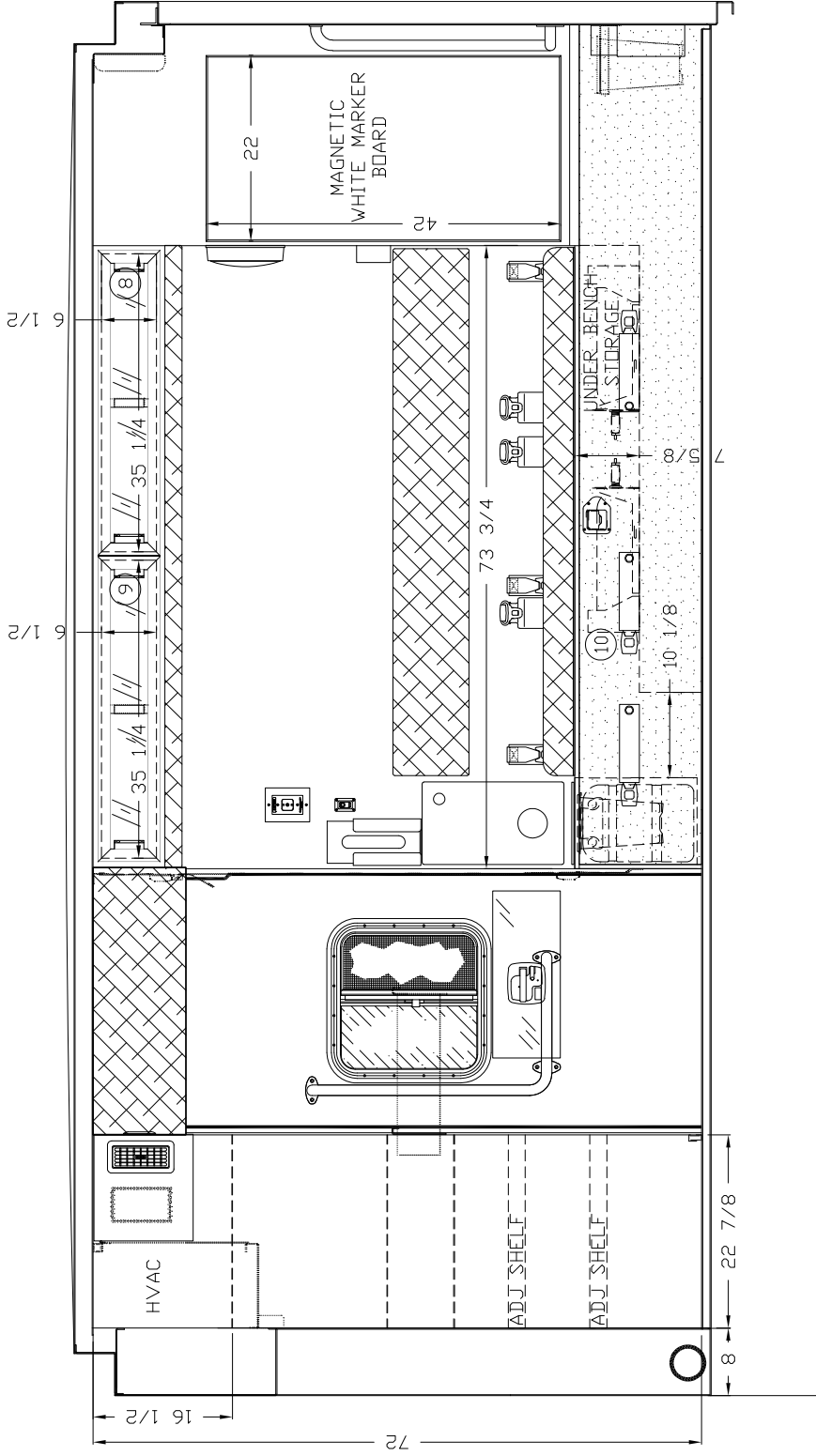
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Braun Northwest, Inc.

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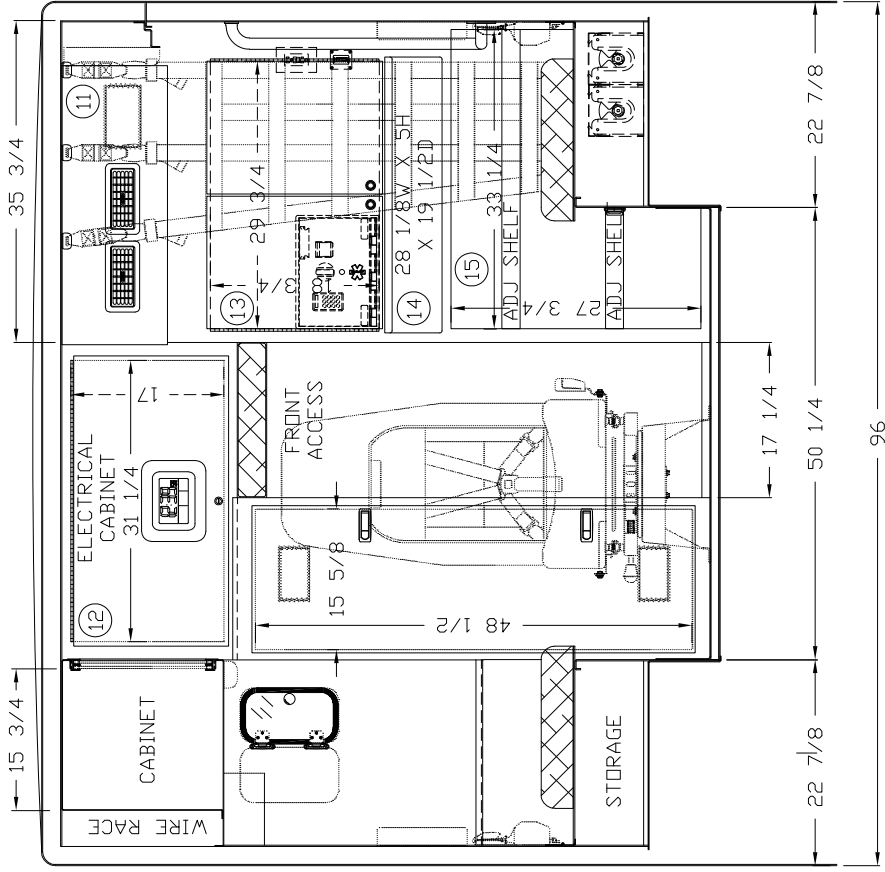
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Braun Northwest, Inc.

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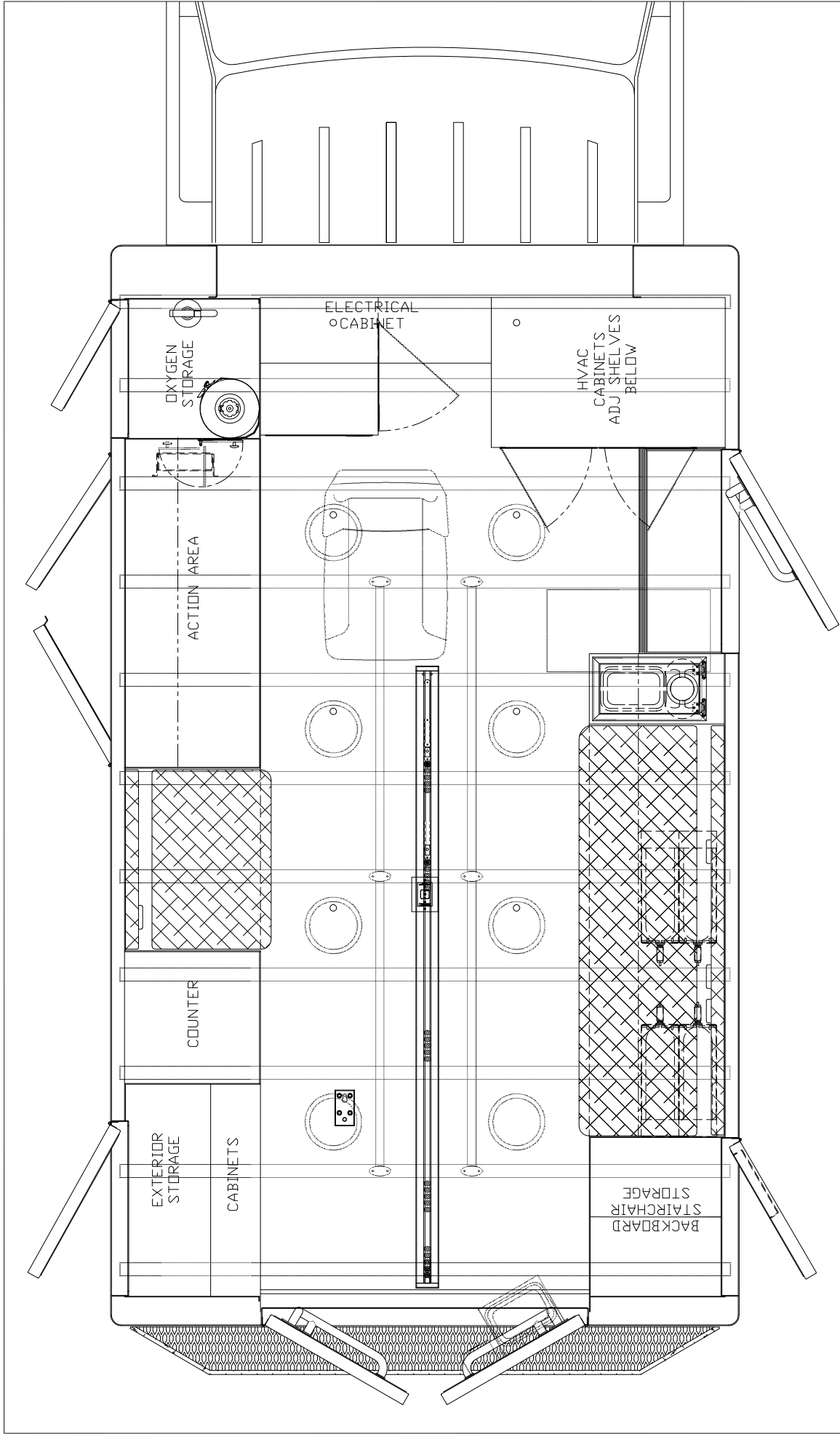
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Braun Northwest, Inc.

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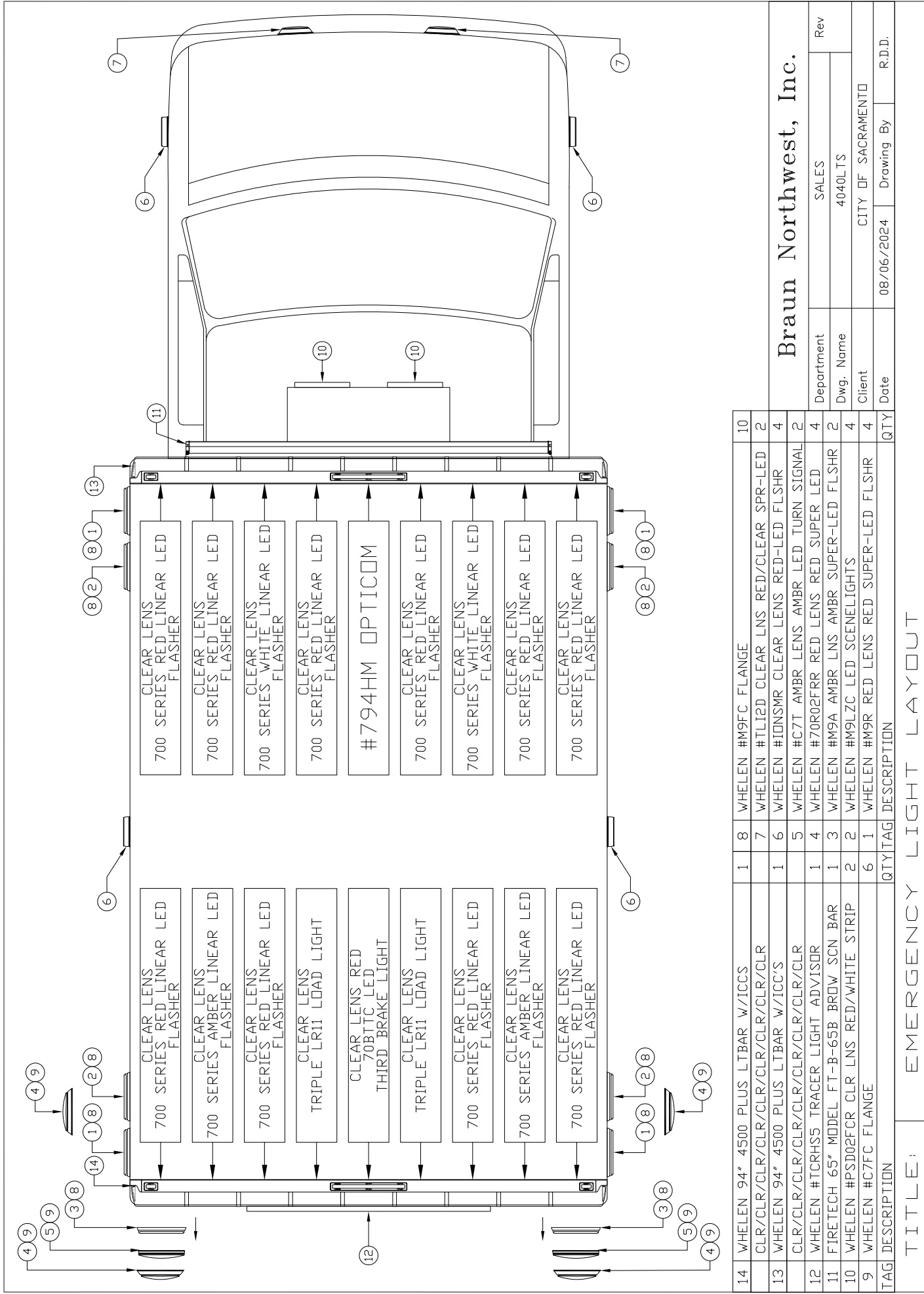
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Braun Northwest, Inc.

Department	SALES	Rev
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Client	CITY OF SACRAMENTO	
Date	08/08/2024	Drawing By R.D.D.

TITLE: PLAN VIEW

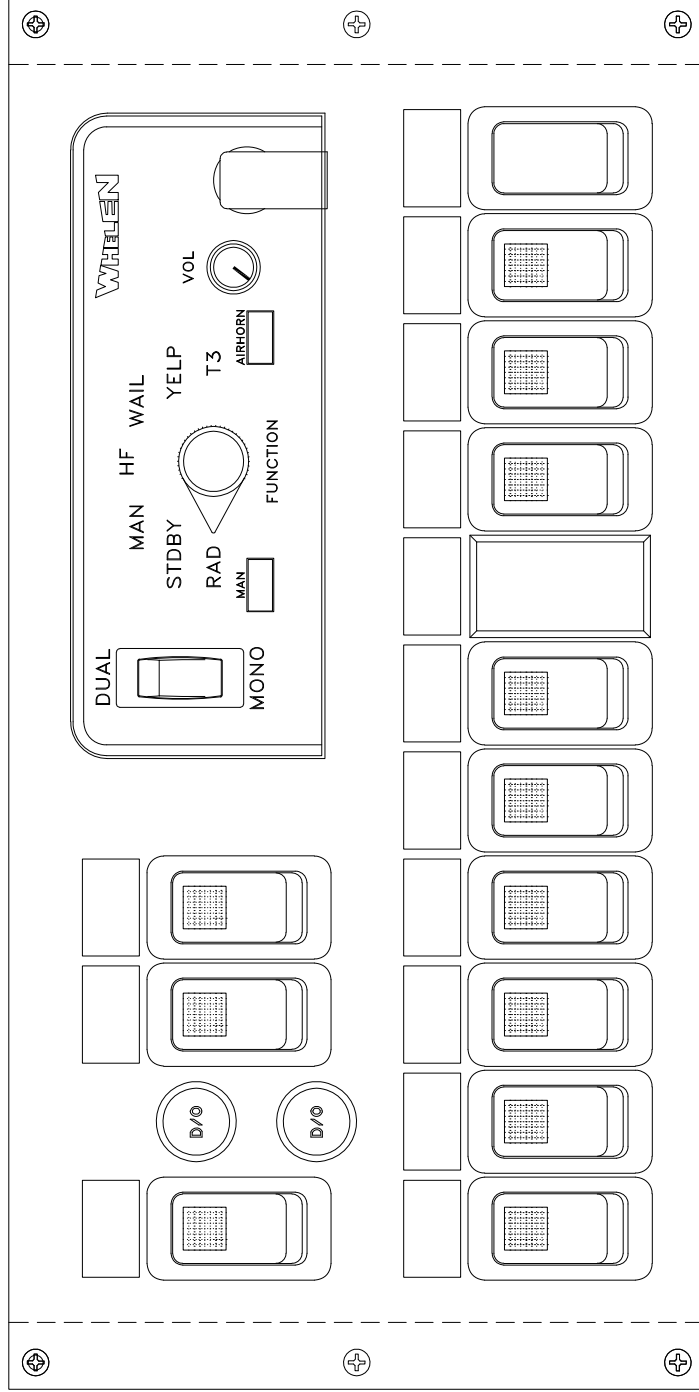


TAG DESCRIPTION	QTY	TAG	DESCRIPTION	QTY
14 WHELEN 94" 4500 PLUS LTBAR W/ICCS CLR/CLR/CLR/CLR/CLR/CLR/CLR/CLR	1	8	WHELEN #M9FC FLANGE	10
13 WHELEN 94" 4500 PLUS LTBAR W/ICCS CLR/CLR/CLR/CLR/CLR/CLR/CLR/CLR	1	7	WHELEN #TLI2D CLEAR LNS RED/CLEAR SPR-LED	2
12 WHELEN #TCRHS5 TRACER LIGHT ADVISOR	1	6	WHELEN #I0NSMR CLEAR LENS RED-LED FLSHR	4
11 FIRETECH 65" M0DEL FT-B-65B BROW SCN BAR	1	5	WHELEN #C7T AMBR LENS AMBR LED TURN SIGNAL	2
10 WHELEN #PSD02FCR CLR LNS RED/WHITE STRIP	2	4	WHELEN #70R02FRR RED LENS RED SUPER LED	4
9 WHELEN #C7FC FLANGE	6	3	WHELEN #M9A AMBR LNS AMBR SUPER-LED FLSHR	2
		2	WHELEN #M9LZC LED SCENELIGHTS	4
		1	WHELEN #M9R RED LENS RED SUPER-LED FLSHR	4
		6	WHELEN #M9R RED LENS RED SUPER-LED FLSHR	4

Braun Northwest, Inc.

Department	SALES	Rev
Dwg. Name	4040LTS	
Client	CITY OF SACRAMENTO	
Date	08/06/2024	Drawing By
		R.D.D.

TITLE: EMERGENCY LIGHT LAYOUT



TAG	DESCRIPTION	QTY	MTRL
Braun Northwest, Inc.			
Department	FABRICATION		Rev
Dwg. Name	4040_SW_PLATE		
Client	CITY OF SACRAMENTO		
Date	07/29/2024	Drawing By	R.D.D.

TITLE: CONSOLE SWITCH PLATE



150 North Star Drive / PO Box 1204 / Chehalis, WA 98532 / 360.748.0195 / 800.245.6303 / fax 360.748.0256

HGAC REMOUNT PROPOSAL

February 10, 2025

City of Sacramento
Attn: Steven Honan
5730 24th Street
Sacramento, CA 95822
shonan@cityofsacaremnto.org

RE: Remount/Refurbish Six (6) North Star modules

Braun Northwest is pleased to offer the following proposal which is based upon HGAC contract AM10-23:

Remount/Refurbish Six (6) North Star modules onto 2025 Ford E-450 4x2 ambulance prep gas chassis per enclosed specifications dated 01/7/25.

Base price HGAC AM23CE05	\$104,412.00
Published/Customization options taken	\$ 82,630.00
HGAC Buy discount	<\$ 1,500.00>
Total for Remount #611-R	\$185,542.00

Base price HGAC AM23CE05	\$104,412.00
Published/Customization options taken	\$ 82,955.00
HGAC Buy discount	<\$ 1,500.00>
Total for Remount #612-R	\$185,867.00

Base price HGAC AM23CE05	\$104,412.00
Published/Customization options taken	\$ 87,580.00
HGAC Buy discount	<\$ 1,500.00>
Total for Remount #614-R	\$190,492.00

Base price HGAC AM23CE05	\$104,412.00
Published/Customization options taken	\$ 85,295.00
HGAC Buy discount	<\$ 1,500.00>
Total for Remount #687-R	\$188,207.00

Base price HGAC AM23CE05	\$104,412.00
Published/Customization options taken	\$ 86,905.00
HGAC Buy discount	<\$ 1,500.00>
Total for Remount #688-R	\$189,817.00

Base price HGAC AM23CE05	\$104,412.00
Published/Customization options taken	\$ 35,135.00
HGAC Buy discount	<\$ 1,500.00>
Total for Remount #2508-3	\$138,047.00



EMERGENCY VEHICLES

www.braunnw.com

BRAUN-NW inc.

150 North Star Drive / PO Box 1204 / Chehalis, WA 98532 / 360.748.0195 / 800.245.6303 / fax 360.748.0256

Total for Six (6) Remounts as Listed and Described above.....	\$1,077,972.00
Travel \$800/per unit, based upon 2ppl and 2 trips.....	\$ 4,800.00
Travel for Braun NW Technician to complete punch list, total of 2 trips.....	\$ 2,600.00
Subtotal	<u>\$1,085,372.00</u>
Sales Tax based upon 8.75%.....	\$ 94,970.05
California Tire Tax - Non Taxable	\$ 73.50
Pickup/Delivery Fee, \$3500/per unit, total of (4) Units – Non Taxable	\$ 14,000.00
Pickup/Delivery Fee, \$6800/per unit, total of (2) non-drivable units – Non Taxable	\$ 13,600.00
HGAC Fee – Non-Taxable	\$ 1,000.00
Total for Six (6) Vehicles F.O.B. Sacramento, CA.....	<u>\$1,209,015.55***</u>

Sales tax included

F.O.B.: Sacramento, California

Delivery: Remount/refurbish to be completed within ninety (90) days after receipt of new chassis and existing vehicle. Start of process to be scheduled based upon new chassis delivery, agency's operational schedule and Braun NW manufacturing plan.

Terms: Ninety percent (90%) payment due upon receipt of vehicle. Balance due in thirty (30) days.

It is understood that the used chassis is not road legal due to the transfer of such items as lights and mud flaps to new chassis. Transportation of used chassis remains the responsibility of agency unless chassis is traded-in. Any parts or pieces not transferred to the new chassis or reused, unless specifically noted, shall be included in trade-in value of chassis to reduce overall cost of this project.

*Vehicle must be in drivable condition, capable of completing the trip to Chehalis, WA. If vehicle becomes disabled, Customer is responsible for any additional charges related to getting the vehicle to the Braun Northwest, Inc., Chehalis, WA facility. Braun NW is responsible for the transportation of the units to Chehalis, WA.

**The above pricing includes pickup of all six units in Sacramento, California and travel for two people for two (2) Final inspections of three (3) units in one trip and the next three (3) units following the second trip.

***The above pricing includes (2) trips for (1) person from Braun NW to complete final punch list from City of Sacramento. The first trip shall coincide with the delivery of three units, the second trip shall coincide with delivery of the following 3 units. Punch list to be completed and submitted to Braun NW (7) days after delivery. Braun NW will send technician for final punch list within (7) days after receipt of punch list.

(Note: This bid is contingent on use of customer's Government Ford Fleet Identification Number.) Failure to secure a FIN will increase the price by the amount of the GPC chassis discount.

Braun Northwest, Inc. is a California dealer (#16055) with insurance information available upon request.

Respectfully Submitted by:
Braun Northwest, Inc.

We agree to accept the above proposal:
City of Sacramento

Tami McCallum

Tami McCallum, V.P. of Sales

Signature

Date

Date: 2/10/25

Printed Name

Title

TM
cc BC/LM
Enclosures: Specifications.



EMERGENCY VEHICLES

www.braunnw.com

H-GAC

Houston-Galveston Area Council
P.O. Box 22777 · 3555 Timmons · Houston, Texas 77227-2777

Cooperative Agreement - Contract - Braun Northwest, Inc. - Public Services - ID: 11091

MASTER GENERAL PROVISIONS

This Master Agreement is made and entered into, by and between the Houston-Galveston Area Council hereinafter referred to as H-GAC having its principal place of business at 3555 Timmons Lane, Suite 120, Houston, Texas 77027 and Braun Northwest, Inc., hereinafter referred to as the Contractor, having its principal place of business at 150 North Star Drive, Chehalis, WA 98532.

WITNESSETH:

WHEREAS, H-GAC hereby engages the Contractor to perform certain services in accordance with the specifications of the Master Agreement; and

WHEREAS, the Contractor has agreed to perform such services in accordance with the specifications of the Master Agreement;

NOW, THEREFORE, H-GAC and the Contractor do hereby agree as follows:

ARTICLE 1: LEGAL AUTHORITY

The Contractor warrants and assures H-GAC that it possesses adequate legal authority to enter into this Master Agreement. The Contractor's governing body, where applicable, has authorized the signatory official(s) to enter into this Master Agreement and bind the Contractor to the terms of this Master Agreement and any subsequent amendments hereto.

ARTICLE 2: APPLICABLE LAWS

The Contractor agrees to conduct all activities under this Master Agreement in accordance with all federal laws, executive orders, policies, procedures, applicable rules, regulations, directives, standards, ordinances, and laws, in effect or promulgated during the term of this Master Agreement, including without limitation, workers' compensation laws, minimum and maximum salary and wage statutes and regulations, and licensing laws and regulations. When required, the Contractor shall furnish H-GAC with satisfactory proof of its compliance therewith.

ARTICLE 3: PUBLIC INFORMATION

Except as stated below, all materials submitted to H-GAC, including any attachments, appendices, or other information submitted as a part of a submission or Master Agreement, are considered public information, and become the property of H-GAC upon submission and may be reprinted, published, or distributed in any manner by H-GAC according to open records laws, requirements of the US Department of Labor and the State of Texas, and H-GAC policies and procedures. In the event the Contractor wishes to claim portions of the response are not subject to the Texas Public Information Act, it shall so; however, the determination of the Texas Attorney General as to whether such information must be disclosed upon a public request shall be binding on the Contractor. H-GAC will request such a determination only if Contractor bears all costs for preparation of the submission. H-GAC is not responsible for the return of creative examples of work submitted. H-GAC will not be held accountable if material from submissions is obtained without the written consent of the contractor by parties other than H-GAC, at any time during the evaluation process.

ARTICLE 4: INDEPENDENT CONTRACTOR

The execution of this Master Agreement and the rendering of services prescribed by this Master Agreement do not change the independent status of H-GAC or the Contractor. No provision of this Master Agreement or act of H-GAC in performance of the Master Agreement shall be construed as making the Contractor the agent, servant, or employee of H-GAC, the State of Texas, or the United States Government. Employees of the Contractor are

subject to the exclusive control and supervision of the Contractor. The Contractor is solely responsible for employee related disputes and discrepancies, including employee payrolls and any claims arising therefrom.

ARTICLE 5: ANTI-COMPETITIVE BEHAVIOR

Contractor will not collude, in any manner, or engage in any practice which may restrict or eliminate competition or otherwise restrain trade.

ARTICLE 6: SUSPENSION AND DEBARMENT

Debarment and Suspension (Executive Orders 12549 and 12689) – A contract award (2 CFR 180.220) must not be made to parties listed on the government-wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR Part 1966 Comp. p. 189) and 12689 (3 CFR Part 1989 Comp. p. 235), “Debarment and Suspension.” SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

Pursuant to the Federal Rule above, Respondent certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency or by the State of Texas and at all times during the term of the Contract neither it nor its principals will be debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation by any federal department or agency or by the State of Texas Respondent shall immediately provide the written notice to H-GAC if at any time the Respondent learns that this certification was erroneous when submitted or has become erroneous by reason of changed circumstances. H-GAC may rely upon a certification of the Respondent that the Respondent is not debarred, suspended, ineligible, or voluntarily excluded from the covered contract, unless the H-GAC knows the certification is erroneous.

ARTICLE 7: GOAL FOR CONTRACTING WITH SMALL AND MINORITY BUSINESSES, WOMEN’S BUSINESS ENTERPRISES, AND LABOR SURPLUS AREA FIRMS (if subcontracts are to be let)

H-GAC’s goal is to assure that small and minority businesses, women's business enterprises, and labor surplus area firms are used when possible in providing services under a contract. In accordance with federal procurements requirements of 2 CFR §200.321, if subcontracts are to be let, the prime contractor must take the affirmative steps listed below:

1. Placing qualified small and minority businesses and women’s business enterprises on solicitation lists;
2. Assuring that small and minority businesses and women’s business enterprises are solicited whenever they are potential sources;
3. Dividing total requirements, when economically feasible, into smaller task or quantities to permit maximum participation by small and minority businesses, and women’s business enterprises;
4. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women’s business enterprises;
5. Using the services and assistance as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce.
- 6.

Nothing in this provision will be construed to require the utilization of any firm that is either unqualified or unavailable. The Small Business Administration (SBA) is the primary reference and database for information on requirements related to Federal Subcontracting <https://www.sba.gov/federal-contracting/contracting-guide/prime-subcontracting>

NOTE: The term DBE as used in this solicitation is understood to encompass all programs/business enterprises such as: Small Disadvantaged Business (SDB), Historically Underutilized Business (HUB), Minority Owned Business Enterprise (MBE), Women Owned Business Enterprise (WBE) and Disabled Veteran Business Enterprise (DVBE) or other designation as issued by a certifying agency.

Contractor agrees to work with and assist HGACBuy customer in meeting any DBE targets and goals, as may be required by any rules, processes, or programs they might have in place. Assistance may include compliance with reporting requirements, provision of documentation, consideration of Certified/Listed subcontractors, provision of documented evidence that an active participatory role for a DBE entity was

considered in a procurement transaction, etc.

ARTICLE 8: SCOPE OF SERVICES

The services to be performed by the Contractor are outlined in an Attachment to this Master Agreement.

ARTICLE 9: PERFORMANCE PERIOD

This Master Agreement shall be performed during the period which begins Oct 01 2023 and ends Sep 30 2027. All services under this Master Agreement must be rendered within this performance period, unless directly specified under a written change or extension provisioned under Article 21, which shall be fully executed by both parties to this Master Agreement.

ARTICLE 10: PAYMENT OR FUNDING

Payment provisions under this Master Agreement are outlined in the Special Provisions. H-GAC will not pay for any expenses incurred prior to the execution date of a contract, or any expenses incurred after the termination date of the contract.

ARTICLE 11: PAYMENT FOR WORK

The H-GAC Customer is responsible for making payment to the Contractor upon delivery and acceptance of the goods or completion of the services and submission of the subsequent invoice.

ARTICLE 12: PAYMENT TERMS/PRE-PAYMENT/QUANTITY DISCOUNTS

If discounts for accelerated payment, pre-payment, progress payment, or quantity discounts are offered, they must be clearly indicated in the Contractor's submission prior to contract award. The applicability or acceptance of these terms is at the discretion of the Customer.

ARTICLE 13: REPORTING REQUIREMENTS

If the Contractor fails to submit to H-GAC in a timely and satisfactory manner any report required by this Master Agreement, or otherwise fails to satisfactorily render performances hereunder, H-GAC may terminate this Master Agreement with notice as identified in Article 29 of these General Provisions. H-GAC has final determination of the adequacy of performance and reporting by Contractor. Termination of this Master Agreement for failure to perform may affect Contractor's ability to participate in future opportunities with H-GAC. The Contractor's failure to timely submit any report may also be considered cause for termination of this Master Agreement. Any additional reporting requirements shall be set forth in the Special Provisions of this Master Agreement.

ARTICLE 14: INSURANCE

Contractor shall maintain insurance coverage for work performed or services rendered under this Master Agreement as outlined and defined in the attached Special Provisions.

ARTICLE 15: SUBCONTRACTS AND ASSIGNMENTS

Except as may be set forth in the Special Provisions, the Contractor agrees not to assign, transfer, convey, sublet, or otherwise dispose of this Master Agreement or any right, title, obligation, or interest it may have therein to any third party without prior written approval of H-GAC. The Contractor acknowledges that H-GAC is not liable to any subcontractor or assignee of the Contractor. The Contractor shall ensure that the performance rendered under all subcontracts shall result in compliance with all the terms and provisions of this Master Agreement as if the performance rendered was rendered by the Contractor. Contractor shall give all required notices, and comply with all laws and regulations applicable to furnishing and performance of the work. Except where otherwise expressly required by applicable law or regulation, H-GAC shall not be responsible for monitoring Contractor's compliance, or that of Contractor's subcontractors, with any laws or regulations.

ARTICLE 16: AUDIT

Notwithstanding any other audit requirement, H-GAC reserves the right to conduct or cause to be conducted an independent audit of any transaction under this Master Agreement, such audit may be performed by the H-GAC local government audit staff, a certified public accountant firm, or other auditors designated by H-GAC and will be

conducted in accordance with applicable professional standards and practices. The Contractor understands and agrees that the Contractor shall be liable to the H-GAC for any findings that result in monetary obligations to H-GAC.

ARTICLE 17: TAX EXEMPT STATUS

H-GAC and Customer members are either units of government or qualified non-profit agencies, and are generally exempt from Federal and State sales, excise or use taxes. Respondent must not include taxes in its Response. It is the responsibility of Contractor to determine the applicability of any taxes to an order and act accordingly. Exemption certificates will be provided upon request.

ARTICLE 18: EXAMINATION OF RECORDS

The Contractor shall maintain during the course of the work complete and accurate records of all of the Contractor's costs and documentation of items which are chargeable to H-GAC under this Master Agreement. H-GAC, through its staff or designated public accounting firm, the State of Texas, and United States Government, shall have the right at any reasonable time to inspect, copy and audit those records on or off the premises by authorized representatives of its own or any public accounting firm selected by H-GAC. The right of access to records is not limited to the required retention period, but shall last as long as the records are retained. Failure to provide access to records may be cause for termination of the Master Agreement. The records to be thus maintained and retained by the Contractor shall include (without limitation): (1) personnel and payroll records, including social security numbers and labor classifications, accounting for total time distribution of the Contractor's employees working full or part time on the work, as well as cancelled payroll checks, signed receipts for payroll payments in cash, or other evidence of disbursement of payroll payments; (2) invoices for purchases, receiving and issuing documents, and all other unit inventory records for the Contractor's stocks or capital items; and (3) paid invoices and cancelled checks for materials purchased and for subcontractors' and any other third parties' charges.

Contractor agrees that H-GAC will have the right, with reasonable notice, to inspect its records pertaining to purchase orders processed and the accuracy of the fees payable to H-GAC. The Contractor further agrees that the examination of records outlined in this article shall be included in all subcontractor or third-party Master Agreements.

ARTICLE 19: RETENTION OF RECORDS

The Contractor and its subcontractors shall maintain all records pertinent to this Master Agreement, and all other financial, statistical, property, participant records, and supporting documentation for a period of no less than seven (7) years from the later of the date of acceptance of the final payment or until all audit findings have been resolved. If any litigation, claim, negotiation, audit or other action involving the records has been started before the expiration of the retention period, the records shall be retained until completion of the action and resolution of all issues which arise from it, or until the end of the seven (7) years, whichever is later, and until any outstanding litigation, audit, or claim has been fully resolved.

ARTICLE 20: DISTRIBUTORS, VENDORS, RESELLERS

Contractor agrees and acknowledges that any such designations of distributors, vendors, resellers or the like are for the convenience of the Contractor only and the awarded Contractor will remain responsible and liable for all obligations under the Contract and the performance of any designated distributor, vendor, reseller, etc. Contractor is also responsible for receiving and processing any Customer purchase order in accordance with the Contract and forwarding of the Purchase Order to the designated distributor, vendor, reseller, etc. to complete the sale or service. H-GAC reserves the right to reject any entity acting on the Contractor's behalf or refuse to add entities after a contract is awarded.

ARTICLE 21: CHANGE ORDERS AND AMENDMENTS

- A. Any alterations, additions, or deletions to the terms of this Master Agreement, which are required by changes in federal or state law or by regulations, are automatically incorporated without written amendment hereto, and shall become effective on the date designated by such law or by regulation.

- B. To ensure the legal and effective performance of this Master Agreement, both parties agree that any amendment that affects the performance under this Master Agreement must be mutually agreed upon and that all such amendments must be in writing. After a period of no less than 30 days subsequent to written notice, unless sooner implementation is required by law, such amendments shall have the effect of qualifying the terms of this Master Agreement and shall be binding upon the parties as if written herein.
- C. Customers have the right to issue a change order to any purchase orders issued to the Contractor for the purposes of clarification or inclusion of additional specifications, qualifications, conditions, etc. The change order must be in writing and agreed upon by Contractor and the Customer agency prior to issuance of any Change Order. A copy of the Change Order must be provided by the Contractor to, and acknowledged by, H-GAC.

ARTICLE 22: CONTRACT ITEM CHANGES

- A. If a manufacturer discontinues a contracted item, that item will automatically be considered deleted from the contract with no penalty to Contractor. However, H-GAC may at its sole discretion elect to make a contract award to the next lowest Respondent for the item, or take any other action deemed by H-GAC, at its sole discretion, to be in the best interests of its Customers.
- B. If a manufacturer makes any kind of change in a contracted item which affects the contract price, Contractor must advise H-GAC of the details. H-GAC may allow or reject the change at its sole discretion. If the change is rejected, H-GAC will remove the item from its program and there will be no penalty to Contractor. However, H-GAC may at its sole discretion elect to make a contract award to the next lowest Respondent for the item, or take any other action deemed by H-GAC, at its sole discretion, to be in the best interests of its Customers.
- C. If a manufacturer makes any change in a contracted item which does not affect the contract price, Contractor shall advise H-GAC of the details. If the 'new' item is equal to or better than the originally contracted item, the 'new' item shall be approved as a replacement. If the change is rejected H-GAC will remove the item from its program and there will be no penalty to Contractor. However, H-GAC may at its sole discretion elect to make a contract award to the next lowest Respondent for the item or may take any other action deemed by H-GAC at its sole discretion, to be in the best interests of its Customers.
- D. In the case of specifically identified catalogs or price sheets which have been contracted as base bid items or as published options, routine published changes to products and pricing will be automatically incorporated into the contract. However, Contractor must still provide written notice and an explanation of the changes to products and pricing. H-GAC will respond with written approval.

ARTICLE 23: CONTRACT PRICE ADJUSTMENTS

Price Decreases

If Contractor's Direct Cost decreases at any time during the full term of this award, Contractor must immediately pass the decrease on to H-GAC and lower its prices by the amount of the decrease in Direct Cost. (Direct Cost means Contractor's cost from the manufacturer of any item or if Contractor is the manufacturer, the cost of raw materials required to manufacture the item, plus costs of transportation from manufacturer to Contractor and Contractor to H-GAC. Contractor must notify H-GAC of price decreases in the same way as for price increases set out below. The price decrease shall become effective upon H-GAC's receipt of Contractor's notice. If Contractor routinely offers discounted contract pricing, H-GAC may request Contractor accept amended contract pricing equivalent to the routinely discounted pricing.

Price Increase

Contractors may request a price increase for items priced as Base Bid items and Published Options. The amount of any increase will not exceed actual documented increase in Contractor's Direct Cost and will not exceed 10% of

the previous bid price. Considerations on the percentage limit will be given if the price increase is the result of increased tariff charges or other governmental actions, or other economic factors. Manufacturer price/contract changes involving the sale of motor vehicles will be considered and may be allowed during the entire contract period subject to submission and verification of the proper documentation required for a contract change as referenced in this section.

Price Changes

Any permanent increase or decrease in offered pricing for a base contract item or published option is considered a price change. Temporary increases in pricing by whatever name (e.g., 'surcharge', 'adjustment', 'equalization charge', 'compliance charge', 'recovery charge', etc.), are also considered to be price changes. For published catalogs and price sheets as part of an H-GAC contract, requests to amend the contract to reflect any new published catalog or price sheet must be submitted whenever the manufacturer publishes a new document. The request must include the new catalog or price sheet. All Products shall, at time of sale, be equipped as required under any then current applicable local, state, and federal government requirements. If, during any contract, changes are made to any government requirements which cause a manufacturer's costs of production to increase, Contractor may increase pricing to the extent of Contractor's actual cost increase. The increase must be substantiated with support documentation acceptable to H-GAC prior to taking effect. Modifications to a Product required to comply with such requirements which become effective after the date of any sale are the responsibility of the Customer.

Requesting Price Increase/Required Documentation

Contractor must submit a written overview of changes requested and reasons for the request, stating the amount of the increase, along with an itemized list of any increased prices, showing the Contractor's current price, revised price, the actual dollar difference and the percentage of the price increase by line item. Price change requests must be supported with substantive documentation (e.g., notices from suppliers and manufacturers of pricing changes in products, components, transportation, raw materials or commodities, and/or product availability, copies of invoices from suppliers, etc.) clearly showing that Contractor's actual costs have increased per the applicable line-item bid. The Producer Price Index (PPI) may be used as partial justification, subject to approval by H-GAC, but no price increase based solely on an increase in the PPI will be allowed. This documentation should be submitted in Excel format to facilitate analysis and updating of the website. The letter and documentation must be sent to Lead Program Coordinator, james.glover@h-gac.com.

Review/Approval of Requests

If H-GAC approves the price increase, Contractor will be notified in writing; no price increase will be effective until Contractor receives this notice. If H-GAC does not approve Contractor's price increase, Contractor may terminate its performance upon sixty (60) days advance written notice to H-GAC, however Contractor must fulfill any outstanding Purchase Orders. Termination of performance is Contractor's only remedy if H-GAC does not approve the price increase. H-GAC reserves the right to accept or reject any price change request.

ARTICLE 24: DELIVERIES AND SHIPPING TERMS

The Contractor agrees to make deliveries only upon receipt of authorized Customer Purchase Order acknowledged by H-GAC. Delivery made without such Purchase Order will be at Contractor's risk and will leave H-GAC the option of canceling any contract awarded to the Contractor. The Contractor must secure and deliver any item within five (5) working days, or as agreed to on any corresponding customer Purchase Order.

Shipping must be Freight On Board Destination to the delivery location designated on the Customer purchase order. The Contractor will retain title and control of all goods until delivery is completed and the Customer has accepted the delivery. All risk of transportation and all related charges are the responsibility of the Contractor. The Customer will notify the Contractor and H-GAC promptly of any damaged goods and will assist the Contractor in arranging for inspection. The Contractor must file all claims for visible or concealed damage. Unless otherwise stated in the Master Agreement, deliveries must consist only of new and unused merchandise.

ARTICLE 25: RESTOCKING (EXCHANGES AND RETURNS)

There will be no restocking charge to the Customer for return or exchange of any item purchased under the terms of any award. If the Customer wishes to return items purchased under an awarded contract, the Contractor agrees

to exchange, these items for other items, with no additional charge incurred. Items must be returned to Contractor within thirty (30) days from date of delivery. If there is a difference in price in the items exchanged, the Contractor must notify H-GAC and invoice Customer for increase price or provide the Customer with a credit or refund for any decrease in price per Customer's preference. On items returned, a credit or cash refund will be issued by the Contractor to Customer. This return and exchange option will extend for thirty (30) days following the expiration of the term of the Contract. All items returned by the Customer must be unused and in the same merchantable condition as when received. Items that are special ordered may be returned only upon approval of the Contractor.

ARTICLE 26: MANUALS

Each product delivered under contract to any Customer must be delivered with at least one (1) copy of a safety and operating manual and any other technical or maintenance manual. The cost of the manual(s) must be included in the price for the Product offered.

ARTICLE 27: OUT OF STOCK, PRODUCT RECALLS, AND DISCONTINUED PRODUCTS

H-GAC does NOT purchase the products sold pursuant to a Solicitation or Master Agreement. Contractor is responsible for ensuring that notices and mailings, such as Out of Stock or Discontinued Notices, Safety Alerts, Safety Recall Notices, and customer surveys, are sent directly to the Customer with a copy sent to H-GAC. Customer will have the option of accepting any equivalent product or canceling the item from Customer's Purchase Order. Contractor is not authorized to make substitutions without prior approval.

ARTICLE 28: WARRANTIES, SALES, AND SERVICE

Warranties must be the manufacturer's standard and inclusive of any other warranty requirements stated in the Master Agreement; any warranties offered by a dealer will be in addition to the manufacturer's standard warranty and will not be a substitute for such. Pricing for any product must be inclusive of the standard warranty.

Contractor is responsible for the execution and effectiveness of all product warranty requests and any claims, Contractor agrees to respond directly to correct warranty claims and to ensure reconciliation of warranty claims that have been assigned to a third party.

ARTICLE 29: TERMINATION PROCEDURES

The Contractor acknowledges that this Master Agreement may be terminated for Convenience or Default. H-GAC will not pay for any expenses incurred after the termination date of the contract.

A. Convenience

H-GAC may terminate this Master Agreement at any time, in whole or in part, with or without cause, whenever H-GAC determines that for any reason such termination is in the best interest of H-GAC, by providing written notice by certified mail to the Contractor. Upon receipt of notice of termination, all services hereunder of the Contractor and its employees and subcontractors shall cease to the extent specified in the notice of termination.

The Contractor may cancel or terminate this Master Agreement upon submission of thirty (30) days written notice, presented to H-GAC via certified mail. The Contractor may not give notice of cancellation after it has received notice of default from H-GAC.

B. Default

H-GAC may, by written notice of default to the Contractor, terminate the whole or any part of the Master Agreement, in any one of the following circumstances:

- (1) If the Contractor fails to perform the services herein specified within the time specified herein or any extension thereof; or
- (2) If the Contractor fails to perform any of the other provisions of this Master Agreement for any reason whatsoever, or so fails to make progress or otherwise violates the Master Agreements that completion of services herein specified within the Master Agreement term is significantly endangered, and in either of these two instances does not cure such failure within a period of ten (10) days (or such longer period of time as may be authorized by H-GAC in writing) after receiving written notice by certified mail of default from H-GAC.

- (3) In the event of such termination, Contractor will notify H-GAC of any outstanding Purchase Orders and H-GAC will consult with the End User and notify the Contractor to what extent the End User wishes the Contractor to complete the Purchase Order. If Contractor is unable to do so, Contractor may be subject to a claim for damages from H-GAC and/or the End User.

ARTICLE 30: SEVERABILITY

H-GAC and Contractor agree that should any provision of this Master Agreement be determined to be invalid or unenforceable, such determination shall not affect any other term of this Master Agreement, which shall continue in full force and effect.

ARTICLE 31: FORCE MAJEURE

To the extent that either party to this Master Agreement shall be wholly or partially prevented from the performance of any obligation or duty placed on such party by reason of or through strikes, stoppage of labor, riot, fire, flood, acts of war, insurrection, accident, order of any court, act of God, or specific cause reasonably beyond the party's control and not attributable to its neglect or nonfeasance, in such event, the time for the performance of such obligation or duty shall be suspended until such disability to perform is removed. Determination of force majeure shall rest solely with H-GAC.

ARTICLE 32: CONFLICT OF INTEREST

No officer, member or employee of the Contractor or Contractor's subcontractor, no member of the governing body of the Contractor, and no other public officials of the Contractor who exercise any functions or responsibilities in the review or Contractor approval of this Master Agreement, shall participate in any decision relating to this Master Agreement which affects his or her personal interest, or shall have any personal or pecuniary interest, direct or indirect, in this Master Agreement.

- A. **Conflict of Interest Questionnaire:** Chapter 176 of the Texas Local Government Code requires contractors contracting or seeking to contract with H-GAC to file a conflict-of-interest questionnaire (CIQ) if they have an employment or other business relationship with an H-GAC officer or an officer's close family member. The required questionnaire and instructions are located on the H-GAC website or at the Texas Ethics Commission website <https://www.ethics.state.tx.us/forms/CIQ.pdf>. H-GAC officers include its Board of Directors and Executive Director, who are listed on this website. Respondent must complete and file a CIQ with the Texas Ethics Commission if an employment or business relationship with H-GAC office or an officer's close family member as defined in the law exists.
- B. **Certificate of Interested Parties Form – Form 1295:** As required by Section 2252.908 of the Texas Government Code. H-GAC will not enter a Contract with Contractor unless (i) the Contractor submits a disclosure of interested parties form to H-GAC at the time the Contractor submits the contract H-GAC, or (ii) the Contractor is exempt from such requirement. The required form and instructions are located at the Texas Ethics Commission website https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm. Respondents who are awarded a Contract must submit their Form 1295 with the signed Contract to H-GAC.

ARTICLE 33: FEDERAL COMPLIANCE

Contractor agrees to comply with all federal statutes relating to nondiscrimination, labor standards, and environmental compliance. With regards to "Rights to Inventions Made Under a Contract or Master Agreement," If the Federal award meets the definition of "funding Master Agreement" under 37 CFR § 401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding Master Agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Master Agreements," and any implementing regulations issued by the awarding agency. Contractor agrees to be wholly compliant with the provisions of 2 CFR 200, Appendix II. Additionally, for work to be performed under the Master Agreement or subcontract thereof, including procurement of materials or leases of equipment, Contractor shall notify each potential subcontractor or supplier of the Contractor's federal compliance obligations. These may include, but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b)

Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§ 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) the Fair Labor Standards Act of 1938 (29 USC 676 et. seq.), (d) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794), which prohibits discrimination on the basis of handicaps and the Americans with Disabilities Act of 1990; (e) the Age Discrimination in Employment Act of 1967 (29 USC 621 et. seq.) and the Age Discrimination Act of 1974, as amended (42 U.S.C. §§ 6101-6107), which prohibits discrimination on the basis of age; (f) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (g) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to the nondiscrimination on the basis of alcohol abuse or alcoholism; (h) §§ 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (i) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. § 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (j) any other nondiscrimination provisions in any specific statute(s) applicable to any Federal funding for this Master Agreement; (k) the requirements of any other nondiscrimination statute(s) which may apply to this Master Agreement; (l) applicable provisions of the Clean Air Act (42 U.S.C. §7401 et seq.), the Federal Water Pollution Control Act, as amended (33 U.S.C. §1251 et seq.), Section 508 of the Clean Water Act (33 U.S.C. 1368), Executive Order 11738, and the Environmental Protection Agency regulations at 40 CFR Part 15; (m) applicable provisions of the Davis- Bacon Act (40 U.S.C. 276a - 276a-7), the Copeland Act (40 U.S.C. 276c), and the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-332), as set forth in Department of Labor Regulations at 20 CFR 5.5a; (n) the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (P.L. 94-163).

ARTICLE 34: PROHIBITION ON CONTRACTING WITH ENTITIES USING CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE EQUIPMENT (EFFECTIVE AUG. 13, 2020 AND AS AMENDED OCTOBER 26, 2020)

Pursuant to 2 CFR 200.216, Contractor shall not offer equipment, services, or system that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. Covered telecommunications equipment or services means 1) telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities); 2) for the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities); 3) telecommunications or video surveillance services provided by such entities or using such equipment; or 4) telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country. Respondent must comply with requirements for certifications. The provision at 48 C.F.R Section 52.204-26 requires that offerors review SAM prior to completing their required representations. This rule applies to all acquisitions, including acquisitions at or below the simplified acquisition threshold and to acquisitions of commercial items, including commercially available off the-shelf items.

ARTICLE 35: DOMESTIC PREFERENCE

In accordance with 2 CFR 200.322, as appropriate and to the extent consistent with law, when using federal grant award funds H-GAC should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). H-GAC must include this requirement in all subawards including all contracts and purchase orders for work or products under the federal grant award. If Contractor intends to qualify for Purchase Orders using federal grant money, then it shall work with H-GAC to provide all required certifications and other documentation needed to show compliance.

ARTICLE 36: CRIMINAL PROVISIONS AND SANCTIONS

The Contractor agrees to perform the Master Agreement in conformance with safeguards against fraud and abuse as set forth by the H-GAC, the State of Texas, and the acts and regulations of any related state or federal agency. The Contractor agrees to promptly notify H-GAC of any actual or suspected fraud, abuse, or other criminal activity

through the filing of a written report within twenty-four (24) hours of knowledge thereof. Contractor shall notify H-GAC of any accident or incident requiring medical attention arising from its activities under this Master Agreement within twenty-four (24) hours of such occurrence. Theft or willful damage to property on loan to the Contractor from H-GAC, if any, shall be reported to local law enforcement agencies and H-GAC within two (2) hours of discovery of any such act.

The Contractor further agrees to cooperate fully with H-GAC, local law enforcement agencies, the State of Texas, the Federal Bureau of Investigation, and any other duly authorized investigative unit, in carrying out a full investigation of all such incidents.

The Contractor shall notify H-GAC of the threat of lawsuit or of any actual suit filed against the Contractor pertaining to this Master Agreement or which would adversely affect the Contractor's ability to perform services under this Master Agreement.

ARTICLE 37: INDEMNIFICATION AND RECOVERY

H-GAC's liability under this Master Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to its order processing charge. In no event will H-GAC be liable for any loss of use, loss of time, inconvenience, commercial loss, lost profits, or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor agrees, to the extent permitted by law, to defend and hold harmless H-GAC, its board members, officers, agents, officials, employees, and indemnities from any and all claims, costs, expenses (including reasonable attorney fees), actions, causes of action, judgements, and liens arising as a result of Contractor's negligent act or omission under this Master Agreement. Contractor shall notify H-GAC of the threat of lawsuit or of any actual suit filed against Contractor relating to this Master Agreement.

ARTICLE 38: LIMITATION OF CONTRACTOR'S LIABILITY

Except as specified in any separate writing between the Contractor and an END USER, Contractor's total liability under this Master Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, but excluding its obligation to indemnify H-GAC, is limited to the price of the particular products/services sold hereunder, and Contractor agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. In no event will Contractor be liable for any loss of use, loss of time, inconvenience, commercial loss, loss of profits or savings or other incidental, special or consequential damages to the full extent such use may be disclaimed by law. Contractor understands and agrees that it shall be liable to repay and shall repay upon demand to END USER any amounts determined by H-GAC, its independent auditors, or any agency of State or Federal government to have been paid in violation of the terms of this Master Agreement.

ARTICLE 39: TITLES NOT RESTRICTIVE

The titles assigned to the various Articles of this Master Agreement are for convenience only. Titles shall not be considered restrictive of the subject matter of any Article, or part of this Master Agreement.

ARTICLE 40: JOINT WORK PRODUCT

This Master Agreement is the joint work product of H-GAC and the Contractor. This Master Agreement has been negotiated by H-GAC and the Contractor and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against any party.

ARTICLE 41: PROCUREMENT OF RECOVERED MATERIAL

H-GAC and the Respondent must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include: (1) procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; (2) procuring solid waste management services in a manner that maximizes energy and resource recovery; and (3) establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines. Pursuant to the Federal Rule above, as required by the Resource Conservation and Recovery Act of 1976 (42 U.S.C. § 6962(c)(3)(A)(i)), Respondent

certifies that the percentage of recovered materials content for EPA-designated items to be delivered or used in the performance of the Contract will be at least the amount required by the applicable contract specifications or other contractual requirements.

ARTICLE 42: COPELAND “ANTI-KICKBACK” ACT

Contractor shall comply with 18 U.S.C. § 874, 40 U.S.C. § 3145, and the requirements of 29 C.F.R. pt. 3 as may be applicable, which are incorporated by reference into the contract. The contractor or subcontractor shall insert in any subcontracts the clause above and such other clauses as appropriate agency instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all of these contract clauses. A breach of the contract clauses above may be grounds for termination of the Contract, and for debarment as a contractor and subcontractor as provided in 29 C.F.R. § 5.12.

ARTICLE 43: DISCRIMINATION

Respondent and any potential subcontractors shall comply with all Federal statutes relating to nondiscrimination. These include, but are not limited to:

- a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352), which prohibits discrimination on the basis of race, color, or national origin;
- b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex;
- c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps;
- d) The Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101- 6107), which prohibits discrimination on the basis of age;
- e) The Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse;
- f) The Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism;
- g) Sections 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records;
- h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental, or financing of housing;
- i) Any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and
- j) The requirements of any other nondiscrimination statute(s) that may apply to the application.

ARTICLE 44: DRUG FREE WORKPLACE

Contractor must provide a drug-free workplace in accordance with the Drug-Free Workplace Act, as applicable. For the purposes of this Section, “drug-free” means a worksite at which employees are prohibited from engaging in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance. H-GAC may request a copy of this policy.

ARTICLE 45: APPLICABILITY TO SUBCONTRACTORS

Respondent agrees that all contracts it awards pursuant to the contract awarded as a result of this Master Agreement will be bound by the foregoing terms and conditions.

ARTICLE 46: WARRANTY AND COPYRIGHT

Submissions must include all warranty information, including items covered, items excluded, duration, and renewability. Submissions must include proof of licensing if using third party code for programming.

ARTICLE 47: DATA HANDLING AND SECURITY

It will always be the responsibility of the selected Contractor to manage data transfer and to secure all data appropriately during the project to prevent unauthorized access to all data, products, and deliverables.

ARTICLE 48: DISPUTES

All disputes concerning questions of fact or of law arising under this Master Agreement, which are not addressed within the Whole Master Agreement as defined pursuant to Article 4 hereof, shall be decided by the Executive Director of H-GAC or his designee, who shall reduce his decision to writing and provide notice thereof to the Contractor. The decision of the Executive Director or his designee shall be final and conclusive unless, within thirty (30) days from the date of receipt of such notice, the Contractor requests a rehearing from the Executive Director of H-GAC. In connection with any rehearing under this Article, the Contractor shall be afforded an opportunity to be heard and offer evidence in support of its position. The decision of the Executive Director after any such rehearing shall be final and conclusive. The Contractor may, if it elects to do so, appeal the final and conclusive decision of the Executive Director to a court of competent jurisdiction. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the Master Agreement and in accordance with H-GAC's final decision.

ARTICLE 49: CHOICE OF LAW: VENUE

This Master Agreement shall be governed by the laws of the State of Texas. Venue and jurisdiction of any suit or cause of action arising under or in connection with the Master Agreement shall lie exclusively in Harris County, Texas. Disputes between END USER and Contractor are to be resolved in accordance with the law and venue rules of the state of purchase. Contractor shall immediately notify H-GAC of such disputes.

ARTICLE 50: ORDER OF PRIORITY

In the case of any conflict between or within this Master Agreement, the following order of priority shall be utilized: 1) General Provisions, 2) Special Provisions, 3) Scope of Work, and 4) Other Attachments.

ARTICLE 51: WHOLE MASTER AGREEMENT

Please note, this is an H-GAC Master Agreement template and is used for all products and services offered in H-GAC Cooperative Purchasing. Any redlines to this Master Agreement may not be reviewed. If this Master Agreement has not been signed by the Contractor within 30 calendar days, this Master Agreement will be automatically voided. The Master General Provisions, Master Special Provisions, and Attachments, as provided herein, constitute the complete Master Agreement between the parties hereto, and supersede any and all oral and written Master Agreements between the parties relating to matters herein. Except as otherwise provided herein, this Master Agreement cannot be modified without written consent of the parties.

ARTICLE 52: UNIVERSAL IDENTIFIER AND SYSTEM FOR AWARD MANAGEMENT (SAM)

In accordance with 2 CFR Title 2, Subtitle A, Chapter I, Part 25 as it applies to a Federal awarding agency's grants, cooperative agreements, loans, and other types of Federal financial assistance as defined in 2 CFR 25.406.

Contractor understands and as it relates to 2 CFR 25.205(a), a Federal awarding agency may not make a Federal award or financial modification to an existing Federal award to an applicant or recipient until the entity has complied with the requirements described in 2 CFR 25.200 to provide a valid unique entity identifier and maintain an active SAM registration (www.SAM.gov) with current information (other than any requirement that is not applicable because the entity is exempted under § 25.110). 2 CFR 25.200(b) requires that registration in the SAM **prior to submitting an application or plan**; and maintain an active SAM registration with current information, including information on a recipient's immediate and highest level owner and subsidiaries, as well as on all predecessors that have been awarded a Federal contract or grant within the last three years, if applicable, at all times during which it has an active Federal award or an application or plan under consideration by a Federal awarding agency; and provide its unique entity identifier in each application or plan it submits to the Federal awarding agency. To remain registered in the SAM database after the initial registration, the applicant is required to review and update its information in the SAM database on an annual basis from the date of initial registration or subsequent updates to ensure it is current, accurate and complete. At the time a Federal awarding agency is ready to make a Federal award, if the intended recipient has not complied with an applicable requirement to provide a unique entity identifier or maintain an active SAM registration with current information, the Federal awarding agency: (1) May determine that the applicant is not qualified to receive a Federal award; and (2) May use that determination as a basis for making a Federal award to another applicant.

ARTICLE 53: PROCUREMENT OF RECOVERED MATERIALS

In accordance with 2 CFR 200.323, the Houston-Galveston Area Council and the Contractor or Subrecipient must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include: (1) procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; (2) procuring solid waste management services in a manner that maximizes energy and resource recovery; and (3) establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines. Pursuant to the Federal Rule above, as required by the Resource Conservation and Recovery Act of 1976 (42 U.S.C. § 6962(c)(3)(A)(i)), the Contractor or Subrecipient certifies that the percentage of recovered materials content for EPA-designated items to be delivered or used in the performance of the Agreement will be at least the amount required by the applicable contract specifications or other contractual requirements.

SIGNATURES:

H-GAC and the Contractor have read, agreed, and executed the whole Master Agreement as of the date first written above, as accepted by:

Braun Northwest, Inc.

Signature  04522797849546E...

Name Tami McCallum

Title V.P. Sales

Date 10/16/2023

H-GAC

Signature  82EC270D5D61423...

Name Chuck Wemple

Title Executive Director

Date 10/23/2023

H-GAC

Houston-Galveston Area Council

P.O. Box 22777 · 3555 Timmons · Houston, Texas 77227-2777

Cooperative Agreement - Contract - Braun Northwest, Inc. - Public Services - ID: 11091

MASTER SPECIAL PROVISIONS

Please note, this is an H-GAC Master Agreement template and is used for all products and services offered in H-GAC Cooperative Purchasing. Any redlines to this Master Agreement may not be reviewed. Incorporated by attachment, as part of the whole Master Agreement, H-GAC and the Contractor do, hereby agree to the Master Special Provisions as follows:

ARTICLE 1: BIDS/PROPOSALS INCORPORATED

In addition to the whole Master Agreement, the following documents listed in order of priority are incorporated into the Master Agreement by reference: Bid/Proposal Specifications and Contractor's Response to the Bid/Proposal.

ARTICLE 2: END USER MASTER AGREEMENTS ("EUA")

H-GAC acknowledges that the END USER, which is the HGACBuy customer utilizing the contract (CUSTOMER and END USER may be used interchangeably) may choose to enter into an End User Master Agreement (EUA) with the Contractor through this Master Agreement. A CUSTOMER/END USER is a state agency, county, municipality, special district, or other political subdivision of a state, or a qualifying non-profit corporation (providing one or more governmental function or service that possess legal authority to enter into the Contract. The term of the EUA may exceed the term of the current H-GAC Master Agreement.

H-GAC's acknowledgement is not an endorsement or approval of the End User Master Agreement's terms and conditions. Contractor agrees not to offer, agree to or accept from the CUSTOMER/END USER, any terms or conditions that conflict with those in Contractor's Master Agreement with H-GAC. Contractor affirms that termination of its Master Agreement with H-GAC for any reason shall not result in the termination of any underlying EUA, which shall in each instance, continue pursuant to the EUA's stated terms and duration. Pursuant to the terms of this Master Agreement, termination of this Master Agreement will disallow the Contractor from entering into any new EUA with CUSTOMER/END USER. Applicable H-GAC order processing charges will be due and payable to H-GAC on any EUAs, surviving termination of this Master Agreement between H-GAC and Contractor.

ARTICLE 3: MOST FAVORED CUSTOMER CLAUSE

Contractor shall provide its most favorable pricing and terms to H-GAC. If at any time during this Master Agreement, Contractor develops a regularly followed standard procedure of entering into Master Agreements with other governmental customers within the State of Texas, and offers the same or substantially the same products/services offered to H-GAC on a basis that provides prices, warranties, benefits, and or terms more favorable than those provided to H-GAC, Contractor shall notify H-GAC within ten (10) business days thereafter, and this Master Agreement shall be deemed to be automatically retroactively amended, to the effective date of Contractor's most favorable past Master Agreement with another entity. Contractor shall provide the same prices, warranties, benefits, or terms to H-GAC and its CUSTOMER/END USER as provided in its most favorable past Master Agreement. H-GAC shall have the right and option at any time to decline to accept any such change, in which case the amendment shall be deemed null and void. If Contractor claims that a more favorable price, warranty, benefit, or term that was charged or offered to another entity during the term of this Master Agreement, does not constitute more favorable treatment, than Contractor shall, within ten (10) business days, notify H-GAC in writing, setting forth the detailed reasons Contractor believes the aforesaid

offer is not in fact most favored treatment. H-GAC, after due consideration of Contractor's written explanation, may decline to accept such explanation and thereupon this Master Agreement between H-GAC and Contractor shall be automatically amended, effective retroactively, to the effective date of the most favored Master Agreement, to provide the same prices, warranties, benefits, or terms to H-GAC and the CUSTOMER/END USER.

EXCEPTION: This clause shall not be applicable to prices and price adjustments offered by a bidder, proposer, or contractor, which are not within bidder's/proposer's control [example; a manufacturer's bid concession], or to any prices offered to the Federal Government and its agencies.

ARTICLE 4: PARTY LIABILITY

Contractor's total liability under this Master Agreement, whether for breach of contract, warranty, negligence, strict liability, in tort or otherwise, is limited to the price of the particular products/services sold hereunder. Contractor agrees either to refund the purchase price or to repair or replace product(s) that are not as warranted. Contractor accepts liability to repay, and shall repay upon demand to CUSTOMER/END USER, any amounts determined by H-GAC, its independent auditors, or any state or federal agency, to have been paid in violation of the terms of this Master Agreement.

ARTICLE 5: GOVERNING LAW & VENUE

Contractor and H-GAC agree that Contractor will make every reasonable effort to resolve disputes with the CUSTOMER/END USER in accord with the law and venue rules of the state of purchase. Contractor shall immediately notify H-GAC of such disputes.

ARTICLE 6: SALES AND ORDER PROCESSING CHARGE

Contractor shall sell its products to CUSTOMER/END USER based on the pricing and terms of this Master Agreement. H-GAC will invoice Contractor for the applicable order processing charge when H-GAC receives notification of a CUSTOMER/END USER order. Contractor shall remit to H-GAC the full amount of the applicable order processing charge, after delivery of any product or service and subsequent CUSTOMER/END USER acceptance. Payment of the Order Processing Charge shall be remitted from Contractor to H-GAC, within thirty (30) calendar days or ten (10) business days after receipt of a CUSTOMER/END USER's payment, whichever comes first, notwithstanding Contractor's receipt of invoice. For sales made by Contractor based on this Master Agreement, including sales to entities without Interlocal Master Agreements, Contractor shall pay the applicable order processing charges to H-GAC. Further, Contractor agrees to encourage entities who are not members of H-GAC's Cooperative Purchasing Program to execute an H-GAC Interlocal Master Agreement. H-GAC reserves the right to take appropriate actions including, but not limited to, Master Agreement termination if Contractor fails to promptly remit the appropriate order processing charge to H-GAC. In no event shall H-GAC have any liability to Contractor for any goods or services a CUSTOMER/END USER procures from Contractor. At all times, Contractor shall remain liable to pay to H-GAC any order processing charges on any portion of the Master Agreement actually performed, and for which compensation was received by Contractor.

ARTICLE 7: LIQUIDATED DAMAGES

Contractor and H-GAC agree that Contractor shall cooperate with the CUSTOMER/END USER at the time a CUSTOMER/END USER purchase order is placed, to determine terms for any liquidated damages.

ARTICLE 8: INSURANCE

Unless otherwise stipulated in Section B of the Bid/Proposal Specifications, Contractor must have the following insurance and coverage minimums:

- a. General liability insurance with a Single Occurrence limit of at least \$1,000,000.00, and a General Aggregate limit of at least two times the Single Occurrence limit.
- b. Product liability insurance with a Single Occurrence limit of at least \$1,000,000.00, and a General Aggregate limit of at least two times the Single Occurrence limit for all Products except Automotive Fire Apparatus. For Automotive Fire Apparatus, see Section B of the Bid/Proposal Specifications.
- c. Property Damage or Destruction insurance is required for coverage of End User owned equipment while in Contractor's possession, custody, or control. The minimum Single Occurrence limit is \$500,000.00 and the General Aggregate limit must be at least two times the Single Occurrence limit. This insurance may be carried in several ways, e.g. under an Inland Marine policy, as art of Automobile coverage, or under a Garage Keepers policy. In any event, this coverage must be specifically and clearly listed on insurance certificate(s) submitted to H-GAC.
- d. Insurance coverage shall be in effect for the length of any contract made pursuant to the Bid/Proposal, and for any extensions thereof, plus the number of days/months required to deliver any outstanding order after the close of the contract period.
- e. Original Insurance Certificates must be furnished to H-GAC on request, showing Contractor as the insured and showing coverage and limits for the insurances listed above.
- f. If any Product(s) or Service(s) will be provided by parties other than Contractor, all such parties are required to carry the minimum insurance coverages specified herein, and if requested by H-GAC, a separate insurance certificate must be submitted for each such party.
- g. H-GAC reserves the right to contact insurance underwriters to confirm policy and certificate issuance and document accuracy.

ARTICLE 9: PERFORMANCE AND PAYMENT BONDS FOR INDIVIDUAL ORDERS

H-GAC's contractual requirements DO NOT include a Performance & Payment Bond (PPB); therefore, Contractor shall offer pricing that reflects this cost savings. Contractor shall remain prepared to offer a PPB to cover any order if so requested by the CUSTOMER/END USER. Contractor shall quote a price to CUSTOMER/END USER for provision of any requested PPB, and agrees to furnish the PPB within ten business (10) days of receipt of CUSTOMER/END USER's purchase order.

ARTICLE 10: ORDER PROCESSING CHARGE

H-GAC will apply an Order Processing Charge for each sale done through the H-GAC contract, with the exception of orders for motor vehicles. Any pricing submitted must include this charge amount per the most current H-GAC schedule. For motor vehicle orders, the Processing Charge is paid by the CUSTOMER/END USER. Contractor will need to refer to the solicitation for the Order Processing Charge.

ARTICLE 11: CHANGE OF STATUS

Contractor shall immediately notify H-GAC, in writing, of ANY change in ownership, control, dealership/franchisee status, Motor Vehicle license status, or name. Contractor shall offer written guidance to advise H-GAC if this Master Agreement shall be affected in any way by such change. H-GAC shall have the right to determine whether or not such change is acceptable, and to determine what action shall be warranted, up to and including cancellation of Master Agreement.

ARTICLE 12: REQUIREMENTS TO APPLICABLE PHYSICAL GOODS

In the case of physical goods (e.g. equipment, material, supplies, as opposed to services), all Products offered must comply with any applicable provisions of the Texas Business and Commerce Code, Title 1, Chapter 2 and with at least the following:

- a. Be new, unused, and not refurbished.
- b. Not be a prototype as the general design, operation, and performance. This requirement is NOT meant to preclude the Contractor from offering new models or configurations which incorporate improvements in a current design or add functionality, but in which new model or configuration may be new to the marketplace.
- c. Include all accessories which may or may not be specifically mentioned in the Master Agreement, but which are normally furnished or necessary to make the Product ready for its intended use upon delivery. Such accessories shall be assembled, installed, and adjusted to allow continuous operation of Product at time of delivery.
- d. Have assemblies, sub-assemblies and component parts that are standard and interchangeable throughout the entire quantity of a Product as may be purchased simultaneously by any END USER/CUSTOMER.
- e. Be designed and constructed using current industry accepted engineering and safety practices, and materials.
- f. Be available for inspection at any time prior to or after procurement.

ARTICLE 13: TEXAS MOTOR VEHICLE BOARD LICENSING

All Contractors that deal in motor vehicles shall maintain current licenses that are required by the Texas Motor Vehicle Commission Code. If at any time during this Master Agreement term, any required Contractor license is denied, revoked, or not renewed, Contractor shall be in default of this Master Agreement, unless the Texas Motor Vehicle Board issues a stay or waiver. Contractor shall promptly provide copies of all current applicable Texas Motor Vehicle Board documentation to H-GAC upon request.

ARTICLE 14: INSPECTION/TESTING

All Products sold pursuant to this Master Agreement will be subject to inspection/testing by or at the direction of H-GAC and/or the ordering CUSTOMER/END USER, either at the delivery destination or the place of manufacture. In the event a Product fails to meet or exceed all requirements of this Master Agreement, and unless otherwise agreed in advance, the cost of any inspection and/or testing, will be the responsibility of the Contractor.

ARTICLE 15: ADDITIONAL REPORTING REQUIREMENTS

Contractor agrees to submit written quarterly reports to H-GAC detailing all transactions during the previous three (3) month period. Reports must include, but are not limited, to the following information:

- a. CUSTOMER/END USER Name
- b. Product/Service purchased, including Product Code if applicable
- c. Customer Purchase Order Number
- d. Purchase Order Date
- e. Product/Service dollar amount
- f. HGACBuy Order Processing Charge amount

ARTICLE 16: BACKGROUND CHECKS

Cooperative customers may request background checks on any awarded contractor's employees who will have direct contact with students, or for any other reason they so choose, any may require contractor to pay the cost of obtaining any background information requested by the CUSTOMER/END USER.

ARTICLE 17: PROHIBITION ON CONTRACTS WITH COMPANIES BOYCOTTING ISRAEL CERTIFICATION

As required by Chapter 2271 of the Texas Local Government Code the Contractor must verify that it 1) does not boycott Israel; and 2) will not boycott Israel during the term of the Contract. Pursuant to Section 2271.001, Texas Government Code:

1. “Boycott Israel” means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and

2. “Company” means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

ARTICLE 18: NO EXCLUDED NATION OR TERRORIST ORGANIZATION CERTIFICATION

As required by Chapter 2252 of the Texas Government Code the Contractor must certify that it is not a company engaged in active business operations with Sudan, Iran, or a foreign terrorist organization – specifically, any company identified on a list prepared and maintained by the Texas Comptroller under Texas Government Code §§806.051, 807.051, or 2252.153. (A company that the U.S. Government affirmatively declares to be excluded from its federal sanctions regime relating to Sudan, Iran, or any federal sanctions regime relating to a foreign terrorist organization is not subject to the contract prohibition.)

ARTICLE 19: PROHIBITION ON CONTRACTING WITH ENTITIES USING CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE EQUIPMENT (Effective Aug. 13, 2020 and as amended October 26, 2020)

Pursuant to 2 CFR 200.216, Contractor shall not offer equipment, services, or system that use covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. “Covered telecommunications equipment or services means 1) telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities); 2) for the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities); 3) telecommunications or video surveillance services provided by such entities or using such equipment; or 4) telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Contractor must comply with requirements for certifications. The provision at 48 C.F.R Section 52.204-26 requires that Contractors review SAM prior to completing their required representations. This rule applies to all acquisitions, including acquisitions at or below the simplified acquisition threshold and to acquisitions of commercial items, including commercially available off-the-shelf items.

ARTICLE 20: BUY AMERICA ACT (National School Lunch Program and Breakfast Program)

With respect to products purchased by CUSTOMER/END USER for use in the National School Lunch Program and/or National School Breakfast Program, Contractor shall comply with all federal procurement laws and regulations with respect to such programs, including the Buy American provisions set forth in 7 C.F.R. Part 210.21(d), to the extent applicable. Contractor agrees to provide all certifications required by CUSTOMER/END USER regarding such programs.

In the event Contractor or Contractor’s supplier(s) are unable or unwilling to certify compliance with the Buy American Provision, or the applicability of an exception to the Buy American provision, H-GAC CUSTOMER/END USER may decide not to purchase from Contractor. Additionally, H-GAC

CUSTOMER/END USER may require country of origin on all products and invoices submitted for payment by Contractor, and Contractor agrees to comply with any such requirement.

ARTICLE 21: BUY AMERICA REQUIREMENT (Applies only to Federally Funded Highway and Transit Projects)

With respect to products purchased by CUSTOMER/END USER for use in federally funded highway projects, Contractor shall comply with all federal procurement laws and regulations with respect to such projects, including the Buy American provisions set forth in 23 U.S.C. Section 313, 23 C.F.R. Section 635.410, as amended, and the Steel and Iron Preference provisions of Texas Transportation Code Section 223.045, to the extent applicable. Contractor agrees to provide all certifications required by CUSTOMER/END USER regarding such programs. With respect to products purchased by CUSTOMER/END USER for use in federally funded transit projects, Contractor shall comply with all federal procurement laws and regulations with respect to such projects, including the Buy American provisions set forth in 49 U.S.C. Section 5323(j)(1), 49 C.F.R. Sections 661.6 or 661.12, to the extent applicable. Contractor agrees to provide all certifications required by CUSTOMER/END USER regarding such programs.

ARTICLE 22: DOMESTIC PREFERENCE

In accordance with 2 CFR 200.322, as appropriate and to the extent consistent with law, a CUSTOMER/END USER using federal grant award funds should, to the greatest extent practicable, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The CUSTOMER/END USER must include this requirement in all subawards including all contracts and purchase orders for work or products under the federal grant award. If Contractor intends to qualify for Purchase Orders using federal grant money, they shall work with the CUSTOMER/END USER to provide all required certifications and other documentation needed to show compliance.

ARTICLE 23: TITLE VI REQUIREMENTS

H-GAC in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any disadvantaged business enterprises will be afforded full and fair opportunity to submit in response to this Master Agreement and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

ARTICLE 24: EQUAL EMPLOYMENT OPPORTUNITY

Except as otherwise provided under 41 CFR Part 60, all Contracts and CUSTOMER/END USER Purchase Orders that meet the definition of “federally assisted construction contract” in 41 CFR Part 60-1.3 shall be deemed to include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, “Equal Employment Opportunity” (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., pg.339), as amended by Executive Order 11375, “Amending Executive Order 11246 Relating to Equal Employment Opportunity,” and implementing regulations at 41CFR Part 60, “Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.”

The equal opportunity clause provided under 41 CFR 60-1.4(b) is hereby incorporated by reference. Contractor agrees that such provision applies to any contract that meets the definition of “federally assisted construction contract” in 41 CFR Part 60-1.3 and agrees that it will comply with such provision.

ARTICLE 25: CLEAN AIR AND WATER POLLUTION CONTROL ACT

CUSTOMER/END USER Purchase Orders using federal funds must contain a provision that requires the Contractor to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean

Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

Pursuant to the Federal Rule above, Contractor certifies that it is in compliance with all applicable provisions of the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387) and will remain in compliance during the term of the Contract.

ARTICLE 26: PREVAILING WAGE

Contractor and any potential subcontractors have a duty to and shall pay the prevailing wage rate under the Davis-Bacon Act, 40 U.S.C. 276a – 276a-5, as amended, and the regulations adopted thereunder contained in 29 C.F.R. pt. 1 and 5.

ARTICLE 27: CONTRACT WORK HOURS AND SAFETY STANDARDS

As per the Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708), where applicable, all CUSTOMER/END USER Purchase Orders in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer, on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

ARTICLE 28: PROFIT AS A SEPARATE ELEMENT OF PRICE

For purchases using federal funds more than the current Simplified Acquisition Threshold of \$250,000, requires negotiation of profit as a separate element of the price. See, 2 CFR 200.324(b). Contractor agrees to provide information and negotiate regarding profit as a separate element of the price for the purchase. Contractor also agrees that the total price, including profit, charged by Contractor will not exceed the awarded pricing, including any applicable discount, under any awarded contract.

ARTICLE 29: BYRD ANTI-LOBBYING AMENDMENT

Byrd Anti-Lobbying Amendment (31U.S.C. 1352) – Contractors that apply or bid for an award exceeding \$100,000 must file the required anti-lobbying certification. Each tier must certify to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier, up to the CUSTOMER/END USER. As applicable, Contractor agrees to file all certifications and disclosures required by, and otherwise comply with, the Byrd Anti-Lobbying Amendment (31 USC 1352). Contractor certifies that it is currently in compliance with all applicable provisions of the Byrd Anti-Lobbying Amendment (31 U.S.C. 1352) and will continue to be in compliance throughout the term of the Contract and further certifies that:

1. No Federal appropriated funds have been paid or will be paid by or on behalf of the Contractor, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection

with the awarding of a Federal contract, the making of a Federal Grant, the making of a Federal Loan, the entering into a cooperative Master Agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative Master Agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing, or attempting to influence, an officer or employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative Master Agreement, Contractor shall complete and submit Standard Form – LLL, “Disclosure Form to Report Lobbying”, in accordance with its instructions.
3. Contractor shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative Master Agreements) and that all subcontractors shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certificate is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

ARTICLE 30: COMPLIANCE WITH EPA REGULATIONS APPLICABLE TO GRANTS, SUBGRANTS, COOPERATIVE MASTER AGREEMENTS, AND CONTRACTS

Contractor certifies compliance with all applicable standards, orders, regulations, and/or requirements issued pursuant to the Clean Air Act of 1970, as amended (42 U.S.C. 1857(h)), Section 508 of the Clean Water Act, as amended (13 U.S.C. 1368), Executive Order 117389 and Environmental Protection Agency Regulation, 40 CFR Part 15.

ARTICLE 31: COMPLIANCE WITH ENERGY POLICY AND CONSERVATION ACT

Contractor certifies that Contractor will be in compliance with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (Pub. L. 94-163, 89 Stat. 871).

Ambulances, EMS & Special Service Vehicles

Request For Proposal
HGACBuy/Cooperative Purchasing Program

Project ID: AM10-23

Release Date: Friday, June 9, 2023

Due Date: Thursday, August 10, 2023 12:00pm

Posted Friday, June 9, 2023 7:00am

Bid Unsealed Thursday, August 10, 2023 12:03pm

Pricing Unsealed Thursday, August 10, 2023 12:03pm

All dates & times in Central Time

3. Scope of Work / Specifications

This is an indefinite quantity/indefinite delivery offerings contract. The HGACBuy Customer is responsible to ensure adequate competition is performed between the various contractors or contractors outside of HGACBuy to determine price reasonableness that might be required per any funding agency. Customer will need to ensure compliance with any funding agency requirements before proceeding with a purchase order under this contract. Please consult legal counsel regarding questions concerning compliance as a contractor under this solicitation.

3.1. Overview

H-GAC is soliciting responses for selecting qualified manufacturers, dealers, distributors, and service providers of Ambulances, EMS and Other Specialty Vehicles and related services to make these types of products and services available to Customers of the HGACBuy Cooperative Purchasing Program under blanket type contracts. Customers (end users) may require selective acquisitions of equipment and/or services OR full turnkey projects necessitating additional services, training, and maintenance agreements. H-GAC is seeking the broadest possible selection of available ambulances, emergency medical response and specialty vehicles to best serve our customers by providing the largest selection of products/services available to meet their needs. This solicitation may include a request for a discount percent off price catalog, category, or manufacturer, or price list for supplies, materials, or not to exceed hourly rates for installation or repair. Respondents are not required to provide offerings on all categories.

3.2. Categories

This Solicitation is divided into ten (10) separate but related product categories (A-J). When submitting a response, Respondent may choose to submit a response to any of the categories or all of them. No additional weighted value will be assigned to a response that addresses more than one or all categories listed. All equipment must be the manufacturer's new and current model and must be fully operational upon delivery to the Customer.

Alternative Fuel Vehicles: All responses that include electric, hybrid, or other alternative fuel vehicles must include these vehicles in Category G. If that specific vehicle is also available with an internal combustion engine (ICE), please list the ICE vehicle separately in the appropriate vehicle category. Category G will only include the alternative fuel vehicles, regardless of vehicle function or type.

Product categories are as follows:

1. **Ambulance**

Response listings/descriptions must be organized by major sub-categories, which include Manufacturer, Type (I, II, or III), module configurations/dimensions, chassis (make and model), 2WD/4WD, and fuel type.

2. **Light/Medium Duty EMS Rescue Vehicle**

Response listings/descriptions must be organized by major sub-categories, which include manufacturer, model, type/function, chassis (make and model), dimensions, 2WD/4WD, and fuel type.

3. **Other Specialty Vehicle or Equipment**

Category includes vehicles or trailers for command, communication, tactical response, or other related emergency response functions. Response listings/descriptions must be organized by major sub-categories, which shall include manufacturer, model, type/function, chassis (make and model), axle configuration, dimensions, 2WD/4WD, and fuel type.

4. **EMS Vehicle Conversions**

Response listings/descriptions must be organized by major sub-categories, which include manufacturer, model, type/function, chassis, 2WD/4WD, and fuel type.

5. **Remount Services Only**

Pricing for this service must include the cost of removing an existing body and reinstalling it on a different chassis, only. This service would apply where the chassis was supplied by the end user.

Note: Remounting Services are to be performed by an authorized dealer/remounter. Any specific certifications or warranties that may be requested by an end user regarding remounts is the end user's responsibility and will be negotiated between the end user and the supplier/contractor when services are quoted.

6. **Remount on Contractor Supplied Chassis**

Pricing for these items must include the cost of the chassis plus the removal and reinstallation of the body.

7. **Electric/Alternative Fuel Ambulance/EMS/Rescue Vehicles**

Response listings must be organized by manufacturer, model, vehicle type/function, and primary fuel/propulsion type.

8. **Ambulance/EMS/Rescue Vehicle Service/Maintenance Plans**

Response listings must include specific details about which fees are included in costs, including current labor rates, and fee structures.

9. **Ambulance/EMS/Rescue Vehicle Parts and Supplies**

Response listing must include percentage discount.

10. **Ambulance/EMS/Rescue Vehicle Options**

Response listing must include percentage discount.

3.3. General Requirements

All products priced and sold pursuant to this Solicitation must, as applicable:

1. Meet all applicable requirements of federal, state and local laws and regulations.
2. Be manufacturer's normal offering with all standard features and functions and performance levels.
3. Be ready for turn-key operation upon delivery.
4. Respondent must include specifications, brochures, warranty information, and any other relevant product information with solicitation Response.

Note: "Unpriced/unpublished" options cannot be quoted on the Base Pricing List and may not be sold through this contract.

3.4. Additional Requirements

Licenses

1. Contractor must have and maintain the appropriate license(s) as required by the State of Texas, Department of Transportation, Division of Motor Vehicles, Motor Vehicle Commission Code [latest edition], or any other local, state and federal licenses required and which are applicable to the respondent's operations.
2. The prescribed licenses must include the manufacturer/respondent, and any and all dealers and their representatives as may be required by the Motor Vehicle Division. Contractor must ensure all emergency and specialty vehicles sold are in accordance with the laws of the state where the sale and acquisition are made.
3. Contractor must maintain all licensing required by the State of Texas as applicable to their business operations during the entire contract term. If during the contract period such licensing lapses, Contractor will be in default and become subject to contract termination unless issued a stay or waiver.

Manuals

1. Contractor must supply at the time of delivery, at least two (2) sets of complete operations and service documentation covering the completed emergency vehicles as delivered and accepted (as per latest edition of KKK-A-1822F).
2. Respondent must supply the following information with their response: Technical Specifications, Product Brochures, Tear Sheets, Cut Sheets, Strippers, etc. which clearly show all the standard features and capabilities of each listing being bid.

Warranty

Contractors must comply with the minimum warranty and maintenance requirements described below for any products or services provided under this Solicitation.

1. Contractor must furnish with response, and for all equipment sold through this H-GAC contract, the manufacturer's general warranty, which must be honored by all the manufacturer's authorized service locations.
2. All service/maintenance plan listings must clearly indicate the cost structure for such plans, clearly indicating which costs and fees are included (such as: hourly labor rates, shop fees, supply fees, environmental fees).
3. The Contractor will handle all warranty claims and all work must be completed within ten (10) calendar days after receipt of equipment/vehicle by the Contractor without cost to H-GAC or the Customer. Delayed warranties must be available for all vehicles and equipment. Warranty start date will be effective the date that the completed unit is placed into service by the Customer. The Contractor must furnish a delayed warranty card/document for each unit delivered and/or advise the Customer of the procedures to be followed for obtaining the delayed start of warranty coverage. Requests for delayed warranties will not exceed six months after delivery.
4. Any and all documents necessary to effect manufacturer's warranty must be properly applied for and submitted by the Contractor. The Contractor will provide to H-GAC and the Customer a manufacturer's warranty which will be honored by any of the manufacturer's authorized dealers and a complete copy must be provided at the time of delivery. When additional warranties are available as standard, they must be included as a part of the response for the benefit of H-GAC and Customer.
5. The patient compartment, all modifications to the OEM chassis by Contractor on the accepted unit, equipment and parts will be guaranteed for a minimum period of one (1) year against defects in design, materials, and workmanship. The warranty period will begin upon final acceptance of the equipment. This warranty will cover parts and labor expenses.
6. On Type I & III emergency medical service MODULE the warranty period will be fifteen (15) years.
7. This warranty will be upgraded to its original status each time the module is remounted by Contractor, or a Contractor authorized remount facility, not to exceed five (5) years above the original warranty.
8. In the event any component part of equipment or materials furnished under these specifications, or its subsequent contract(s), becomes defective by reason of material or workmanship during said period, and the end user agency immediately notifies Contractor of such defect, Contractor will, at no expense to the End User agency or H-GAC, repair or replace equipment or component with new equipment or component.
9. Warranty of all system equipment is the sole responsibility of the Contractor under contract, but may be performed by their certified, designated agent.

3.5. Vehicle Requirements

All equipment and vehicles must be new and be the manufacturer's latest and current model. Each vehicle must be fully assembled, adjusted, serviced and ready for immediate and continuous operation upon delivery. If the equipment or vehicle does not meet the specification requirements upon delivery, Contractor will be responsible for correcting all deficiencies and making any corrections or adjustments needed to attain specification requirements.

All equipment and vehicles must conform to applicable local, state, federal requirements and must comply to all applicable industry standards (examples: National Fire Protection Association (NFPA), Commission on Accreditation of Ambulance Services (CAAS), Federal Specification for the Star-of-Life Ambulance (KKK-A-1822F), Occupational Safety and Health Administration (OSHA)).

3.6. Service / Maintenance Plans and Parts

All service/maintenance plan listings must clearly indicate the cost structure for such plans, clearly indicating which costs and fees are included (ex: hourly labor rates, shop fees, supply fees, environmental fees).

3.7. Labor Hours Definitions

If the awarded contract contains hours for labor related services, the following definitions will apply:

1. "Business Day" Monday through Friday
2. "Business Hours" Standard Business Hours 8 a.m. to 5 p.m.
3. "Regular Time" Work that occurs during standard business hours
4. "Emergency Time" Work that occurs outside standard business hours

3.8. Administrative Fee

For each purchase order processed under an awarded contract, H-GAC will directly invoice the contractor an administrative fee (Order Processing Charge) applicable to the sale of all equipment and services submitted in contractor's response. It is the contractor's responsibility to remit the administrative fee within thirty (30) days of processing any customer's purchase order, even if an invoice is not received from H-GAC. Contractor agrees that H-GAC will have the right, with reasonable notice, to inspect its records pertaining to purchase orders processed and the accuracy of the fees payable to H-GAC. For this solicitation the administrative fee is as follows:

Administrative Fee (per Purchase Order)

Category A – Ambulance: \$1,000 per purchase order

Category B – Light/Medium Rescue Vehicle: \$1,000 per purchase order

Category C – Specialty Vehicle/Equipment:

Light Rescue/Special Service	\$1,000 per purchase order
Heavy Rescue/Special Service	\$2,000 per purchase order
All Trailers	2% per purchase order
Category D – EMS Vehicle Conversions:	\$1,000 per purchase order
Category E – Remount Services Only:	\$600 per purchase order
Category F – Remount on Contractor Supplied Chassis:	\$600 per purchase order
Category G –Electric/Alternative Fuel Vehicles	Determined by category of vehicle
Category H –Service/Maintenance Plans:	2% per purchase order
Category I - Ambulance/Vehicle Parts and Supplies	2% per purchase order
Category J - Ambulance/EMS/Rescue Vehicle Options	No separate fee - part of vehicle

3.9. Final Contract Deliverables

Contractor agrees to submit written quarterly reports to H-GAC detailing all transactions during the previous three (3) month period. Reports must include, but are not limited, to the following information:

- Customer Name and address
- HGACBuy confirmation number
- Product/Service purchased, including Product Code, if applicable
- Customer Purchase Order Number
- Purchase Order Date
- Product/Service dollar amount
- HGACBuy Order Processing Charge amount

Reports must be provided to H-GAC in Excel or other acceptable electronic format by the 30th day of the month following the quarter being reported. If Contractor defaults in providing Products or Services reporting as required by the contract, recourse may be exercised through cancellation of the contract and other legal remedies as appropriate.

Attachment A
Braun Northwest, Inc.
Ambulances, EMS & Special Service Vehicles
Contract No.: AM10-23

Manufacturer	Product	Item Description	Offered List Price	HGACBuy Discount
		Category A - Ambulance		
Braun Northwest, Inc.	AM23CA01	North Star - Type 1 - Ford F-350 4x4 - Diesel Engine - 147"L x 94"W x 72" HR	\$ 212,653.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA02	North Star - Type 1 - Ford F-350 4x4 - Diesel Engine - 155"L x 94"W x 72" HR	\$ 237,613.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA03	North Star - Type 1 - Ram 3500 4x4 - Diesel Engine - 147"L x 94"W x 72" HR	\$ 221,543.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA04	North Star - Type 1 - GMC K3500 4x4 - Diesel Engine - 147"L x 94"W x 72" HR	\$ 211,873.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA05	North Star - Type 1 - Chevrolet 4500 4x4 - Diesel Engine - 167"L x 94"W x 72" HR	\$ 239,292.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA06	North Star - Type 1 - Ford F-450 4x4 - Diesel Engine - 147"L x 94"W x 72" HR	\$ 231,346.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA07	North Star - Type 1 - Ford F-450 4x4 - Diesel Engine - 167"L x 94"W x 72" HR	\$ 235,296.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA08	North Star - Type 1 - Ram 4500 4x4 - Diesel Engine - 167"L x 94"W x 72" HR	\$ 244,557.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA09	North Star - Type 1 - Medium Duty - Ford F-650 4x2 - Diesel Engine - 167"L x 96"W x 72" HR	\$ 266,552.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA10	North Star - Type 1 - Medium Duty - International - Diesel Engine - 167"L x 96"W x 72" HR	\$ 269,771.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA11	North Star - Type 1 - Medium Duty - Freightliner - Diesel Engine - 167"L x 96"W x 72" HR	\$ 275,270.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA12	North Star - Type 2 - MB Sprinter Van	\$ 156,817.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA13	North Star - Type 2 - Promaster Van	\$ 159,701.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA14	North Star - Type 2 - Ford Transit AWD Gas	\$ 164,638.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA15	North Star - Type 3 - Ford E-350 - Gas Engine - 147"L x 94"W x 72" HR	\$ 192,750.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA16	North Star - Type 3 - GMC G3500 - Gas Engine - 147"L x 94"W x 72" HR	\$ 199,296.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA17	North Star - Type 3 - Ford E-450 - Gas Engine - 167"L x 94"W x 72" HR	\$ 199,690.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CA18	North Star - Type 3 - GMC 4500 - Gas Engine - 167"L x 94"W x 72" HR	\$ 204,991.00	-\$ 1,500.00
		Category B - Light/Medium EMS Rescue Vehicle		
Braun Northwest, Inc.	AM23CB01	North Star - Fire Rescue - Ford F-550 4x4 Crew Cab - Diesel Engine - 116"L x 94"W	\$ 199,255.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB02	North Star - Fire Rescue - Ford F-550 4x4 Regular Cab - Diesel Engine - 116"L x 94"W	\$ 191,824.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB03	North Star - Fire Rescue - Ram 5500 4x4 Crew Cab - Diesel Engine - 116"L x 94"W	\$ 207,228.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB04	North Star - Fire Rescue - Ram 5500 4x4 Regular Cab - Diesel Engine - 116"L x 94"W	\$ 199,338.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB05	North Star - Fire Rescue - Ford F-550 4x4 Crew Cab - Diesel Engine - 147"L x 94"W	\$ 200,248.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB06	North Star - Fire Rescue - Ford F-550 4x4 Regular Cab - Diesel Engine - 147"L x 94"W	\$ 193,322.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB07	North Star - Fire Rescue - Ram 5500 4x4 Crew Cab - Diesel Engine - 147"L x 94"W	\$ 208,726.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB08	North Star - Fire Rescue - Ram 5500 4x4 Regular Cab - Diesel Engine - 147"L x 94"W	\$ 200,836.00	-\$ 1,500.00

Braun Northwest, Inc.	AM23CB09	North Star - Fire Rescue - Ford F-550 4x4 Regular Cab - Diesel Engine - 167"L x 94"W	\$ 198,322.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB10	North Star - Fire Rescue - Ram 5500 4x4 Regular Cab - Diesel Engine - 167"L x 94"W	\$ 205,836.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB11	North Star - Fire Rescue - Ford F-550 4x4 Regular Cab - Diesel Engine - 192"L x 94"W	\$ 220,140.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CB12	North Star - Fire Rescue - Ram 5500 4x4 Regular Cab - Diesel Engine - 192"L x 94"W	\$ 226,270.00	-\$ 1,500.00
		Category C - Other Specialty Vehicle or Equipment		
Braun Northwest, Inc.	AM23CC01	North Star - Prisoner Transport - Ford E-350 - Gas Engine - 138"L x 94"W x 57.875"HR	\$ 140,354.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC02	North Star - Prisoner Transport - Ford F-350 4x4 - Diesel Engine - 143"L x 94"W x 57.75"HR	\$ 155,542.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC03	North Star - Prisoner Transport - Ford F-450 4x2 Regular Cab - Diesel Engine - 191"L x 94"W x 72.875"HR	\$ 196,087.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC04	North Star - Prisoner Transport - Ford F-550 4x2 - Regular Cab - Diesel Engine - 197"L x 94"W x 73" HR	\$ 213,909.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC05	North Star - Prisoner Transport - Freightliner M2 4x2 - Regular Cab - Diesel Engine - 197"L x 94" W x 73"HR	\$ 245,915.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC06	North Star - Prisoner Transport - Ford F-650 4x2 - Super Cab - Diesel Engine - 197"L x 94" W x 73"HR	\$ 246,335.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC07	North Star - Prisoner Transport - Ram 4500 4x2 - Regular Cab - Gas Engine - 197"L x 94"W x 72 "HR	\$ 217,020.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC08	North Star - EOD Command - Ford F-550 4x4 - Regular Cab - Diesel Engine - 191"L x 94" W x 80" HR	\$ 274,359.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC09	North Star - EOD Command - International MV607 4x2 - Crew Cab - Diesel Engine - 222"L x 100"W x 84"HR	\$ 364,112.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC10	North Star - SWAT Command - Ford F-550 4x4 - Regular Cab - Diesel Engine - 192"L x 94" W x 78" HR	\$ 234,524.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC11	North Star - Hazardous Materials Command - Ford F-550 4x4 - Regular Cab - Diesel Engine - 189"L x 96" W x 72" HR	\$ 273,464.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC12	North Star - Crime Scene Command - Ford F-350 4x4 - Diesel Engine - 147"L x 94"W x 72"HR	\$ 228,796.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC13	North Star - Mobile Command - Ford F-650 4x2 - Diesel Engine - 196"L x 94"W x 76"HR	\$ 290,290.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC14	North Star - Wildland Crew Body - 198"L x 98"W x 78" HR	\$ 215,849.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC15	North Star - Command Van - Transit AWD - Gas	\$ 152,873.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CC16	North Star - Prisoner Transport - Freightliner M2 106 Plus 4x2 - Diesel Engine - 351"L x 102"W x 117" HR	\$ 494,629.00	-\$ 1,500.00
		Category E - Remount Services Only		
Braun Northwest, Inc.	AM23CE01	North Star - Remount of Northstar Module	\$ 56,159.00	-\$ 1,500.00
		Category F - Remount on Contractor Supplied Chassis		
Braun Northwest, Inc.	AM23CE02	North Star - Remount of Northstar Module - Ford F-350 4x4 - Regular Cab - Diesel Engine	\$ 129,926.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE03	North Star - Remount of Northstar Module - Ford F-450 4x4 - Regular Cab - Diesel Engine	\$ 138,950.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE04	North Star - Remount of Northstar Module - Ford E-350 4x2 - Regular Cab - Gas Engine	\$ 102,267.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE05	North Star - Remount of Northstar Module - Ford E-450 4x2 - Regular Cab - Gas Engine	\$ 104,412.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE06	North Star - Remount of Northstar Module - GMC G3500 4x2 - Regular Cab - Gas Engine	\$ 93,569.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE07	North Star - Remount of Northstar Module - GMC G4500 4x2 - Regular Cab - Gas Engine	\$ 94,973.00	-\$ 1,500.00

Braun Northwest, Inc.	AM23CE08	North Star - Remount of Northstar Module - Chevrolet 4500 4x4 - Regular Cab - Diesel Engine	\$ 139,889.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE09	North Star - Remount of Northstar Module - Ram 3500 4x4 - Regular Cab - Diesel Engine	\$ 131,139.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE10	North Star - Remount of Northstar Module - Ram 4500 4x4 - Regular Cab - Diesel Engine	\$ 150,204.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE11	North Star - Remount of Northstar Module - International MV607 4x2 - Regular Cab - Diesel Engine	\$ 175,328.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE12	North Star - Remount of Northstar Module - Freightliner M2 4x2 - Regular Cab - Diesel Engine	\$ 168,352.00	-\$ 1,500.00
Braun Northwest, Inc.	AM23CE13	North Star - Remount of Northstar Module - Ford F-650 4x2 - Regular Cab - Diesel Engine	\$ 168,509.00	-\$ 1,500.00

Certificate Of Completion

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tamimccallum@braunnw.com
VP of Sales
Security Level: Email, Account Authentication (None)

Signature

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Tami McCallum
04522797849546E...
Signature Adoption: Pre-selected Style
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Charles Wemple
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Executive Director
Houston-Galveston Area Council
Security Level: Email, Account Authentication (None)

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In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

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Agent Delivery Events

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Intermediary Delivery Events

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Certified Delivery Events

Status

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Notary Events

Signature

Timestamp

Envelope Summary Events

Status

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Payment Events	Status	Timestamps